
REMEDIAL INVESTIGATION REPORT

for

551 GREENWICH STREET

New York, New York

NYC TAX BLOCK 598, LOTS 42 AND 48

CEQR NO. 12DCP045M

E-DESIGNATION: E-288

OER PROJECT NO.: 18TMP0891M/18EHAN326M

NYSDEC SPILL NO. 1801068

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LIST OF ACRONYMS

Acronym	Definition
ACRIS	Automated City Register Information System
ALTA	American Land Title Association
AOC	Area of Concern
BGS	Below Grade Surface
CEQR	City Environmental Quality Review
CU	Commercial Use
DO	Dissolved Oxygen
DOT	Department of Transportation
EL	Elevation
ELAP	Environmental Laboratory Accreditation Program
ESA	Environmental Site Assessment
eV	Electron Volt
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
HAZMAT	Hazardous Materials
HAZWOPER	Hazardous Waste Operations and Emergency Response
LBP	Lead Based Paint
L/min	Liter per minute
Max	Maximum
mg/kg	Milligram per kilogram
mL	Milliliter
NAVD88	North American Vertical Datum of 1988
NNO	Notice of No Objection
NSPS	National Society of Professional Surveyors
NTP	Notice to Proceed
NTU	Nephelometric Turbidity Units
NYCDP	New York City Department of City Planning
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OER	New York City Office of Environmental Remediation
ORP	Oxidation/Reduction Potential
OSHA	Occupational Safety and Health Administration
PBS	Petroleum Bulk Storage
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene
PID	Photoionization Detector
PPM	Parts per million
PVC	Polyvinyl chloride

Acronym	Definition
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
REC	Recognized Environmental Condition
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
SCO	Soil Cleanup Objective
SGV	Standards and Guidance Values
SVOC	Semi Volatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TOGS	Technical and Operational Guidance Series
µg/L	Microgram per liter
µg/m ³	Microgram per cubic meter
UN	United Nations
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
UU	Unrestricted Use
VOC	Volatile Organic Compounds

CERTIFICATION

I, Michael Burke, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(tt). I have primary direct responsibility for implementation of the Remedial Investigation for the 551 Greenwich Street site (OER Project Number 18TMP0891M/18EHAN326M). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Qualified Environmental Professional

Date

Signature

EXECUTIVE SUMMARY

This Remedial Investigation Report (RIR) for 551 Greenwich Street in New York, New York (the site) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives and selection of a remedy pursuant to RCNY§ 43-1407(f). The site was assigned an E-Designation (E-288) by the New York City Department of City Planning (NYCDCP) as part of the March 20, 2013 Hudson Square Rezoning (City Environmental Quality Review [CEQR] No. 12DCP045M). The E-Designation for hazardous materials requires an environmental assessment of soil, groundwater and soil vapor. The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The approximately 19,940-square-foot site is bound by King Street to the north, a 17-story commercial office building to the east, Charlton Street to the south, and Greenwich Street to the west. The site is identified as Block 598, Lots 42 and 48 on the New York City Manhattan Borough Tax Map and is currently improved with a one-story building built circa 1930 (Lot 42) and an open-air parking lot (Lot 48) surrounded by a chain-link fence. The one-story building contains a partial cellar (about 130 square feet) in the northwestern portion of the lot. According to the May 24, 2018 American Land Title Association (ALTA)/National Society of Professional Surveyors (NSPS) Land Title Survey, prepared by Langan, the site elevation (el) ranges from el 10.77¹ in the southern portion of the site to el 13.88 in the northeastern portion of the site.

Summary of Proposed Redevelopment Plan

The proposed development project is in the early planning stages, but it is anticipated to include a 10-story commercial office building spanning both tax lots, with ground-floor retail and one full cellar level.

Summary of Past Uses and Areas of Concern

According to the January 2009 Phase I Environmental Site Assessment (ESA) Report prepared by AKRF, Inc. (AKRF), historical site use included various commercial, manufacturing and industrial buildings from as early as 1894. Multi-story buildings occupied the northern part of the site from the 1890s until 1968, when they were demolished, and the site was occupied by an open-air parking lot (Lot 48). The southern part of the site was occupied by a one-story parking garage with a partial cellar that was constructed between 1922 and 1951 (Lot 42). Historical uses of the site include a preserves factory, a packing canned goods company, confectioners' supplies, and an express depot. Two 550-gallon gasoline underground storage tanks (UST) were located beneath the parking garage, as indicated on the 1951, 1968, 1980 and

¹ Elevations herein are in feet and referenced to the North American Vertical Datum of 1988 (NAVD88)

1994 Sanborn Fire Insurance Maps. UST documentation was not available in the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage (PBS) database. The surrounding area was developed prior to 1894 and included a paper box factory, coal yard, and an iron storage space across King Street to the north. No records of previous site ownership were available on the Automated City Register Information System (ACRIS).

The identified Areas of Concern (AOC) are described below:

1. On-Site Petroleum Bulk Storage – According to the Sanborn Fire Insurance Maps, the site contained two gasoline USTs from approximately 1951 to 1994. During the Phase I ESA site walk, a potential fill port was observed in the Greenwich Street sidewalk adjacent to the site, and during the remedial investigation, an anomaly indicative of a UST, an associated fill port, and vent pipes were identified in the western portion of Lot 42 adjacent to the Greenwich Street sidewalk
2. Historical Use of the Site – Historical manufacturing/industrial site use included a preserves factory, packing canned goods company, and express depot. In addition, following demolition of on-site buildings, the site was backfilled with fill of an unknown origin. Historic fill in Manhattan typically contains contaminants, particularly metals and semivolatile organic compounds (SVOC) at concentrations exceeding applicable state and/or federal standards.
3. Historical Use of Adjoining Properties – Historical uses of the surrounding properties include residential, commercial, industrial, and automotive uses. A total of 212 spills were reported within a ½-mile radius of the site. These offsite uses could have impacted site soil vapor or groundwater.

Summary of Remedial Investigation Field Work

Langan completed the following scope of work in accordance with the OER-approved Remedial Investigation Work Plan (RIWP), dated June 6, 2017.

1. Conducted a geophysical survey to identify anomalies indicative of USTs and associated piping and clear boring locations from physical and/or subsurface utilities and structures.
2. Advanced 10 soil borings (EB-01 through EB-10) and collected 25 soil samples, including one duplicate sample.
3. Installed four permanent groundwater monitoring wells (MW02, MW03, MW04 and MW06) and collected five groundwater samples, including one duplicate sample.
4. Installed seven soil vapor probes (SV01 through SV07) and collected seven soil vapor samples and one ambient air sample.

Summary of Environmental Findings

1. Current site elevations range from about el 10.77 in the southern portion of the site to el 13.88 in the northeastern portion of the site.
2. The geophysical survey identified electrical, water, sewer and gas utility connections to the site from Greenwich Street. An anomaly indicative of a UST, an associated fill port, and vent pipes were identified in the western portion of Lot 42 adjacent to the Greenwich Street sidewalk. Evidence of former gasoline dispenser islands was observed to the north and south of the anomaly. A second fill port was identified in the southwest portion of Lot 48. Due to the presence of hydraulic lifts associated with parking in the area, access to the ground surface around the fill port was limited. The limited access area is demarcated as a potential UST area in the geophysical survey.
3. The subsurface consisted of historic fill material underlying the surficial concrete and asphalt cover to depths of about 7.5 to 13 feet below grade surface (bgs). A native sand layer consisting of brown fine sand with trace medium sand, clay and silt was observed below the fill layer. Peat and organic clay layers were observed in the eastern and southeastern portion of the site at around 11.5 to 12 feet bgs and 13.5 to 14.5 feet bgs. Gasoline-like odors and photoionization detector (PID) readings up to 3,600 parts per million (ppm) were measured in borings EB-02 (at depths ranging from 9 to 24 feet bgs), EB-03 (16 to 18 feet bgs), EB-05 (10.5 to 17.5 feet bgs), EB-06 (9.5 to 19 feet bgs) and EB-10 (7.5 to 16 feet bgs), located in the central and western portions of the site. Gasoline-like odors were apparent in borings EB-02 (9 to 24 feet bgs), EB-03 (16 to 18 feet bgs), EB-05 (10.5 to 17.5 feet bgs), EB-06 (9.5 to 19 feet bgs) and EB-10 (7.5 to 16 feet bgs).
4. Groundwater was encountered from about 14.97 to 17.36 feet bgs, corresponding to el. -4.4 to el -4.88. Regional groundwater flow is estimated to the west, toward the Hudson River. Based on groundwater measurements collected during the RI, site groundwater generally flows to the west. Headspace PID readings and gasoline-like odors were noted in MW02 (250 ppm), MW03 (21.9 ppm) and MW06 (250 ppm). No sheen was observed on groundwater during groundwater sampling.
5. Soil sample results were compared to the NYSDEC 6NYCRR Part 375 Unrestricted Use (UU) and Commercial Use (CU) Soil Cleanup Objectives (SCO):
 - Three volatile organic compounds (VOC), including 1,2,4-trimethylbenzene, benzene, and total xylenes, were detected at concentrations above the CU SCOs in sample EB02_14-16. In addition, concentrations of eight VOCs, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, acetone, benzene, ethylbenzene, n-propylbenzene, toluene and total xylenes, were detected at concentrations above the UU SCOs in at least one sample.

- Five SVOCs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, were detected at concentrations above the CU SCO in one or more samples. In addition, concentrations of eleven SVOCs, including 2-methylphenol, 3-methylphenol/4-methylphenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, indeno(1,2,3-cd)pyrene, and naphthalene, were detected at concentrations above the UU SCOs in one or more samples.
 - Two pesticides, 4,4'-DDE and 4,4'-DDT, were detected at concentrations above the UU SCOs.
 - Polychlorinated biphenyls (PCB) were not detected at concentrations above the UU SCOs in soil samples.
 - Five metals, including barium, lead, mercury, nickel, and zinc exceeded the UU SCOs. Barium and lead were also detected at concentrations above the CU SCOs.
 - The fill material contained concentrations of metals, pesticides, and SVOCs typical of urban fill in Manhattan. The presence of gasoline-related VOCs and SVOCs in soil is likely a result of a gasoline spill associated with the potential USTs in the southwest portion of the site. In response to the observed subsurface conditions, the NYSDEC was contacted on May 1, 2018 and Spill Number 1801068 was assigned.
6. Groundwater sample analytical results were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGV) for Class GA water:
- Ten VOCs, including 1,2,4,5-tetramethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, naphthalene, n-propylbenzene, o-xylene, p/m-xylene, and toluene were detected at concentrations above the Class GA SGVs.
 - Seven SVOCs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, naphthalene, and phenol, were detected at concentrations above the Class GA SGVs.
 - Two pesticides, aldrin and dieldrin, were detected at concentrations above the Class GA SGVs.
 - Total PCBs were detected at a concentration above the Class GA SGV.
 - Four metals, including iron, magnesium, manganese, and sodium, were detected in groundwater samples at dissolved concentrations above the Class GA SGVs. These metals are representative of regional groundwater quality.

7. Soil vapor sample results were compared to ambient air sample results and were evaluated based on the New York State Department of Health (NYSDOH) decision matrices:

- Total VOC concentrations in soil vapor samples ranged from 290.01 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) to 56,650 $\mu\text{g}/\text{m}^3$, and were up to three orders of magnitude higher than total VOC concentrations in the outdoor ambient air sample (32.471 $\mu\text{g}/\text{m}^3$).
- Benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations in soil vapor samples ranged from 84.05 $\mu\text{g}/\text{m}^3$ to 7,748 $\mu\text{g}/\text{m}^3$, and up to three orders of magnitude higher than BTEX in the outdoor ambient air sample (7.47 $\mu\text{g}/\text{m}^3$).
- The NYSDOH decision matrices establish threshold concentrations for carbon tetrachloride, 1,1-dichloroethene, cis-1,2-dichloroethene, trichloroethene (TCE), methylene chloride, tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), and vinyl chloride. Of the eight compounds evaluated for the NYSDOH decision matrices, only PCE was detected in soil vapor samples. In the absence of indoor air samples, the PCE concentrations in soil vapor indicate a suggested action of "no further action".

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C. (Langan) was retained by Trinity Real Estate to complete a remedial investigation (RI) at 551 Greenwich Street in the Hudson Square neighborhood of Manhattan, New York. The site was assigned an E-Designation (E-288) for hazardous materials (Hazmat), air quality, and noise by the New York City Department of City Planning (NYCDPC) following the March 20, 2013 Hudson Square Rezoning (City Environmental Quality Review [CEQR] No. 12DCP045M). The E-Designation requires environmental assessments of soil, groundwater, and soil vapor and coordination with the New York City Mayor's Office of Environmental Remediation (OER) to obtain a Notice to Proceed (NTP) or a Notice of No Objection (NNO) prior to obtaining building permits. Commercial use is proposed for the property.

Langan prepared and submitted a Remedial Investigation Work Plan (RIWP) that was approved by OER on April 6, 2018. The RIWP was implemented between April 23 and May 2, 2018. This Remedial Investigation Report (RIR) summarizes the nature and extent of contamination identified during the investigation and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The approximately 19,940-square-foot site is bound by King Street to the north, a 17-story commercial office building to the east, Charlton Street to the south, and Greenwich Street to the west. The site is identified as Block 598, Lots 42 and 48 on the New York City Manhattan Borough Tax Map and is improved with a one-story building built circa 1930 (Lot 42) and an open-air parking lot (Lot 48) surrounded by a chain-link fence. The one-story building contains a partial cellar (about 130 square feet) in the northwestern portion of the lot. According to the May 24, 2018 American Land Title Association (ALTA)/National Society of Professional Surveyors (NSPS) Land Title Survey, prepared by Langan, the site elevation (el) ranges from el 10.77¹ in the southern portion of the site to el 13.88 in the northeastern portion of the site. A site location map is included as Figure 1, and a site plan with lot boundaries is included as Figure 2.

¹ Elevations herein are in feet and referenced to the North American Vertical Datum of 1988 (NAVD88)

1.2 Proposed Redevelopment Plans

The proposed development project is in the early planning stages, but it is anticipated to include a 10-story commercial office building spanning both tax lots, with ground-floor retail and one full cellar level. Proposed redevelopment plans are included as Appendix A.

1.3 Description of Surrounding Property

The site is located in an urban area characterized by multi-story mixed-use, industrial, commercial, and retail buildings. The following table summarizes the adjacent and surrounding properties.

Direction	Adjacent Land Use	Surrounding Properties
North	King Street followed by a multi-story commercial building with a ground floor parking garage	Multi-story residential, commercial, industrial, retail buildings and automotive uses.
South	Charlton Street followed by a multi-story residential and retail building, followed by an active construction site	
East	Commercial and office properties followed by Hudson Street	
West	Greenwich Street followed by a UPS facility	

A map showing the surrounding land uses and the locations of the nearest sensitive receptors is included as Figure 3.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

According to the January 2009 Phase I Environmental Site Assessment (ESA) Report prepared by AKRF, Inc. (AKRF), historical site use included various commercial, manufacturing and industrial buildings from as early as 1894. Multi-story buildings occupied the site from the 1890s until 1968, when they were demolished and the site was occupied by an open-air parking lot (Lot 42) and a one-story parking garage (Lot 48). Historical uses of the site include a preserves factory, a packing canned goods company, confectioners' supplies, and an express depot. Two 550-gallon gasoline underground storage tanks (UST) were located beneath the parking garage, as indicated on the 1951, 1968, 1980 and 1994 Sanborn Fire Insurance Maps. UST documentation was not available in the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage (PBS) database. The surrounding area was developed prior to 1894 and included a paper box factory, coal yard, and an iron storage space across King Street to the north. No records of previous site ownership were available on the Automated City Register Information System (ACRIS).

2.2 Previous Investigations

The following previous environmental report was reviewed and considered in the preparation of this work plan:

January 2009 Phase I ESA, prepared by AKRF

The Phase I ESA identified the following recognized environmental conditions (REC):

- The site was historically used for industrial and commercial uses, including a preserves factory, packing canned goods company, confectioners supplies, and express depot. According to Sanborn Fire Insurance Maps, the current structure was built between 1951 and 1968.
- A potential fill port was observed along the Greenwich Street sidewalk. Additionally, two 550-gallon gasoline USTs were located beneath the parking garage, as indicated on the 1951, 1980, and 1994 Sanborn Fire Insurance Maps. UST documentation was not available in the NYSDEC PBS database.
- The existing building on Lot 42 was constructed prior to 1978 and may contain polychlorinated biphenyl (PCB) and/or mercury-containing lighting fixtures, asbestos-containing materials (ACM), and/or lead based paint (LBP). Hydraulic lifts used for car storage in the active parking lot in the northern portion of the site may use PCB-containing hydraulic fluids.
- Historical uses of the surrounding properties include residential, commercial, industrial, and automotive uses. A total of 212 spills were reported within a ½-mile radius of the

site. The off-site release of petroleum, chemicals, and/or hazardous substances may have adversely impacted groundwater and/or soil vapor on the site.

The Phase I ESA is included in Appendix B.

2.3 Site Inspection

Paul McMahon of Langan performed a site inspection on February 26, 2018, prior to implementing the RIR, and determined that the site was generally unchanged since the January 2009 Phase I ESA.

2.4 Areas of Concern

Areas of Concern (AOC) include:

4. On-Site Petroleum Bulk Storage – According to the Sanborn Fire Insurance Maps, the site contained two gasoline USTs from approximately 1951 to 1994. During the Phase I ESA site walk, a potential fill port was observed in the Greenwich Street sidewalk adjacent to the site.
5. Historical Use of the Site – Historical manufacturing/industrial site use included a preserves factory, packing canned goods company, and express depot. In addition, following demolition of on-site buildings, the site was backfilled with fill of an unknown origin. Historic fill in Manhattan typically contains contaminants, particularly metals and semivolatile organic compounds (SVOC) at concentrations exceeding applicable state and/or federal standards.
6. Historical Use of Adjoining Properties – Historical uses of the surrounding properties include residential, commercial, industrial, and automotive uses. A total of 212 spills were reported within a ½-mile radius of the site. These offsite uses could have impacted site soil vapor or groundwater.

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

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Professional (QEP) responsible for preparation of this RIR is Michael Burke, PG, CHMM, of Langan.

3.2 Health and Safety

Work described in this RIR was performed in compliance with the April 2018 Health and Safety Plan (HASP) and applicable laws and regulations, including site and Occupational Safety and Health Association (OSHA) worker safety and Hazardous Waste Operations and Emergency Response (HAZWOPER) requirements.

3.3 Materials Management

Material encountered during the RI was managed in accordance with applicable laws and regulations. Clean soil cuttings were backfilled into the boreholes from which they were recovered. Grossly contaminated soil was encountered in several borings. Impacted soil cuttings were containerized in one Department of Transportation (DOT)/United Nations (UN)-approved 55-gallon drum. Purged groundwater was containerized in one DOT/UN-approved 55-gallon drum. The drums remain on site, pending completion of the ongoing geotechnical investigation. After the geotechnical investigation is completed, the drums will be disposed of off-site.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The RI was performed by Langan between April 23 and May 2, 2018 to satisfy the E-Designation for Hazardous Materials (E-288) assigned following the 2013 City Environmental Quality Review (CEQR #12DCP045M).

The following scope of work was completed in accordance with the OER-approved RIWP:

1. Geophysical survey conducted to identify anomalies indicative of USTs and associated piping and clear boring locations from physical and/or subsurface utilities and structures.
2. Ten soil borings (EB-01 through EB-10) were advanced and 25 soil samples, including one duplicate sample, were collected.
3. Four permanent groundwater monitoring wells (MW02, MW03, MW04, and MW06) were installed and five groundwater samples, including one duplicate sample, were collected.
4. Seven soil vapor probes (SV01 through SV07) were installed and seven soil vapor samples and one outdoor ambient air sample were collected.

Sample locations are shown on Figure 5. A photo documentation log displaying the RI activities is provided in Appendix C. Details of the field activities are discussed in Sections 4.1 through 4.3.

4.1 Geophysical Survey

On April 20, 2018, prior to intrusive field activities, Nova Geophysical Engineering (Nova) conducted a geophysical survey using GPR and electromagnetic detection equipment to document potential subsurface utilities, USTs, and subsurface anomalies at proposed investigation locations. Boring locations were screened for obstructions and utilities prior to drilling activities. The geophysical survey identified electrical, water, sewer and gas utilities entering the site from Greenwich Street. An approximately 450-square-foot anomaly indicative of a UST, an associated fill port, and vent pipes were identified in the western portion of Lot 42 adjacent to the Greenwich Street sidewalk. Evidence of former gasoline dispenser islands was observed to the north and south of the anomaly. A second fill port was identified in the southwestern portion of Lot 48 and is demarcated as a potential UST in the geophysical survey report. Due to the presence of hydraulic lifts associated with parking, access near the fill port was limited. The results of the geophysical survey report are provided in Appendix D.

4.2 Borings, Monitoring Wells, and Soil Vapor Points

4.2.1 Soil Investigation

Aarco was retained to provide drilling services for the subsurface investigation conducted between April 23 and May 2, 2018. Langan personnel were on-site to observe drilling, screen soil samples, and collect environmental samples for laboratory analysis. Ten soil borings (EB-01

through EB-10) were advanced with a Geoprobe 7822 DT track-mounted direct push sampler to depths ranging from about 16 to 28 feet below grade surface (bgs) as described below.

- EB-02 was advanced to 28 feet bgs.
- EB-03, EB-05 and EB-06 were advanced to 24 feet bgs.
- EB-01 and EB-04 were advanced to 20 feet bgs.
- EB-07 through EB-10 were advanced to 16 feet bgs.

Soil samples were collected into 4-foot-long, dedicated acetate liners. Geoprobe samplers were decontaminated with an Alconox solution and rinsed with deionized water between boring locations. Langan personnel classified soil samples for type, grain size, texture, moisture content, visual and olfactory indications of a chemical or petroleum release (e.g., staining and odors), and performed instrumental screening for the presence of volatile organic vapors using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. Following sample collection, the borings were backfilled with clean soil cuttings or clean sand and the ground surface was restored with either a concrete cap or asphalt patch. Boring logs were prepared by a Langan field geologist and are attached in Appendix E. Soil boring locations are shown on Figure 5.

4.2.2 Groundwater Investigation

Four permanent groundwater monitoring wells, MW02, MW03, MW04, and MW06, were installed within soil boring locations EB-02, EB-03, EB-04 and EB-06, respectively. Monitoring well screens were installed to straddle the observed water table, which was encountered between about 15 and 17 feet bgs. The monitoring wells were constructed with 2-inch-diameter, schedule-40 polyvinyl chloride (PVC) casing with 10 feet of 0.02-inch-slotted screen and solid riser casing to the surface. The annulus of the borehole was backfilled to about 2 feet above the screened interval using FilPro No. 2 filter sand, followed by a one foot hydrated bentonite seal, and No. 2 sand to surface grade. The wells were finished with an expanding well plug and flush-mount steel manhole cover. After installation, the wells were developed using a submersible pump to remove sediments and prevent the well screen from being blocked with fines. A minimum of 3 well volumes were purged using a submersible pump. Groundwater monitoring well construction logs are provided in Appendix F, and monitoring well locations are shown on Figure 5.

Prior to groundwater sampling, a synoptic round of groundwater depth readings were collected. A groundwater elevation summary, based off of monitoring well survey data, is included in Table 3. A groundwater elevation contour map is provided as Figure 6.

4.2.3 Soil Vapor Investigation

Seven soil vapor points, SV01 through SV07, were installed to a depth of about 12 feet bgs. Due to water intrusion into vapor sampling tubes, SV01, SV03, and SV05 were removed and re-installed to a depth of 6 feet bgs. The soil vapor investigation was conducted in general accordance with the 2006 New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Soil vapor sample locations are shown on Figure 5.

Each soil vapor sample location included a 2-inch-long, polyethylene vapor implant installed at the base of the borehole. The implants were fitted with polyethylene tubing extending to the surface. A sand filter pack was installed around the implant to a depth of about 1 to 2 feet bgs. The remainder of the annulus was filled to grade surface with a hydrated bentonite seal to prevent ambient air infiltration.

The seal integrity was verified before and after sample collection using a shroud and helium detector. Prior to sample collection, a minimum of three probe assembly volumes of air were purged using a MultiRAE gas monitor calibrated for a flow rate of 0.2 liters per minute (L/min). Following purging, the soil gas samples were drawn through the polyethylene implant and tubing into laboratory supplied Summa® canisters under vacuum pressure. The Summa® canisters were equipped with flow regulators calibrated for a two-hour sampling period. One outdoor ambient air sample, AA01_042518, was collected on April 25, 2018 in conjunction with soil vapor samples for comparison purposes. Soil vapor sample construction and sampling logs are located in Appendix G.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for AOCs and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. Soil, groundwater and soil vapor were sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. Sampling was performed in accordance with the approved RIWP. Soil, groundwater, and soil vapor samples were collected to determine the nature and extent of environmental impacts and the potential impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for selection of a final remedy. A sample collection summary, including chemical analyses, dates of collection, and sample depths, are reported in Table 1. Construction summaries for soil borings, monitoring wells and soil vapor points are reported in Table 2.

4.3.1 Soil Sample Collection and Chemical Analysis

Twenty-five soil samples, including one duplicate sample, were collected and submitted for

laboratory analysis during the RI. Two discrete (grab) soil samples were collected from borings EB-01 through EB-09: one sample was collected from the shallow subsurface (0 to 4 feet bgs), and a second sample was collected from the groundwater interface. Boring EB-10 was added to investigate the area east of the suspected gasoline USTs, and one sample was collected at the groundwater interface. To vertically delineate petroleum impacts, additional samples were collected at the termination depths of borings EB-02 (26 to 28 feet bgs), EB-03 (23 to 24 feet bgs), EB-05 (22 to 24 feet bgs), and EB-06 (22 to 24 feet bgs). Soil samples were analyzed for NYSDEC Part 375 and Target Compound List (TCL) VOCs, SVOCs, pesticides, metals, and PCBs.

Samples submitted for VOC analysis were collected directly from the acetate sleeve via laboratory supplied Terra Core® soil samplers. The remaining sample volume was homogenized and placed in pre-cleaned, laboratory-supplied glassware and placed in a laboratory-supplied cooler packed with ice (to maintain a temperature of 4°C). The coolers were picked up at the end of each sampling event by a laboratory courier and were transported under standard chain-of-custody protocol to Alpha Analytical, Inc. (Alpha), a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory in Westborough, Massachusetts.

4.3.2 Groundwater Sample Collection and Chemical Analysis

Five groundwater samples, including one duplicate sample, were collected and submitted for laboratory analysis during the RI. The samples were collected from each of the four groundwater monitoring wells, MW02, MW03, MW04 and MW06, installed during the RI. A blind duplicate sample was collected from MW02. Groundwater samples were collected in accordance with United States Environmental Protection Agency (USEPA) Region 2 – *Low Stress Groundwater Sampling Protocol*. Before sample collection, static water level was measured to the nearest 0.01 foot with a Solinst interface probe. The well effluent was pumped through a Horiba U-52 flow-through cell to monitor for hydrogen ion concentration (pH), oxidation/reduction potential (ORP), conductivity, temperature, dissolved oxygen (DO), and turbidity. Groundwater was purged until the water level and monitored parameters stabilized. The turbidity did not reach the target of <5 Nephelometric Turbidity Units (NTU) during sampling of the monitoring wells.

Groundwater samples were collected directly from the discharge line into laboratory-supplied glassware with appropriate preservatives, and transported under standard chain-of-custody protocol to Alpha. Groundwater samples were analyzed for NYSDEC Part 375 and TCL VOCs, SVOCs, and pesticides, PCBs, and Part 375 and Target Analyte List (TAL) dissolved metals.

4.3.3 Soil Vapor Sample Collection and Chemical Analysis

Seven soil vapor samples and one outdoor ambient air sample were collected and submitted for laboratory analysis during the RI. Soil vapor samples were collected over three sampling events; SV02, SV03 and SV05 through SV07 were collected on April 25, 2018; SV04 was

collected on April 26, 2018; and SV01 was collected on May 2, 2018. The samples were collected into 6-liter Summa canisters on April 25, 2018 and 2.7-liter canisters on April 26, 2018 and May 2, 2018. One outdoor ambient air sample was collected on April 25, 2018. Samples were collected from dedicated polyethylene vapor implants and tubing at each location. The Summa canisters were labeled, placed in shipping containers, and delivered to Alpha Analytical under standard chain-of-custody protocol for analysis of VOCs via USEPA Method TO-15.

4.3.4 QA/QC Sample Collection and Chemical Analysis

Two field blank samples, two trip blank samples, one duplicate soil sample, and one duplicate groundwater sample were collected and submitted to Alpha for quality assurance/quality control (QA/QC) purposes. The field blanks, which consist of laboratory-supplied deionized water poured over a nitrile glove (field blank soil sample) or pumped through a decontaminated monsoon pump (field blank groundwater sample) into sample containers, determine the effectiveness of pre-cleaning procedures for the soil and groundwater sampling equipment. The field blanks were analyzed for Part 375/TCL VOCs, SVOCs, and pesticides, PCBs, and Part 375/TAL metals. The trip blanks, which consist of about 80 milliliters (mL) of acidic water prepared by the laboratory and sent with the sample containers, were analyzed for Part 375/TCL VOCs.

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Ilkay Cam-Spanos
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Alpha Analytical, Inc. of Westborough, MA
Chemical Analytical Methods	<p>Soil analytical methods:</p> <ul style="list-style-type: none">• Metals by EPA Method 6010 and 7471(rev. 2007);• VOCs by EPA Method 8260C (rev. 2006);• SVOCs by EPA Method 8270D (rev. 2007);• Pesticides by EPA Method 8081B (rev. 2000);• PCBs by EPA Method 8082A (rev. 2000); <p>Groundwater analytical methods:</p> <ul style="list-style-type: none">• Dissolved Metals by EPA Method 6010 and 7471 (rev. 2007);• VOCs by EPA Method 8260C (rev. 2006);• SVOCs by EPA Method 8270D (rev. 2007);• Pesticides by EPA Method 8081B (rev. 2000);• PCBs by EPA Method 8082A (rev. 2000); <p>Soil vapor analytical methods:</p> <ul style="list-style-type: none">• VOCs by EPA Method TO-15.

4.4 Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 4, 5, and 6, respectively. QA/QC sample results are summarized in Table 7. Laboratory data deliverables for all samples evaluated in this RIR are provided in Appendix H.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological Conditions

A review of the historical "Sanitary & Topographical Map of the City and Island of New York" (Viele, 1865) shows the site was on a meadow within the original shoreline of Manhattan. The USGS "Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and parts of Bergen and Hudson counties, New Jersey" (Baskerville 1994) indicate that bedrock underlying the site consists of Manhattan Schist. More specifically this formation is described as gray sillimanite-muscovite-tourmaline schist.

According to the May 24, 2018 ALTA/NSPS Land Title Survey prepared by Langan, the site elevation ranges from el 10.77 in the southern portion of the site to el 13.88 in the northeast portion of the site. According to Langan's May 2018 geotechnical investigation, bedrock was encountered between about 105 and 118 feet bgs, corresponding to el -93 to -106, respectively.

Stratigraphy

The generalized stratigraphy underlying the site is composed of a surficial layer of concrete and asphalt overlying fill material followed by natural sand deposits and bedrock. The following site geologic descriptions are based on findings from environmental and geotechnical investigations completed for the site.

Fill material was observed immediately below the existing surface to depths ranging from about 7.5 to 13 feet bgs. The fill layer was shallowest in the southern portion of the site and deepest in the northern portion of the site. Fill material generally consists of light to dark brown and grey, medium sand with trace fine sand, fine gravel, silt, and varying amounts of coal, brick and concrete fragments. Slag and/or fly ash were observed within the fill layer in borings EB-04, EB-06, and EB-08 located in the northwestern portion of the site. A native sand layer consisting of brown fine sand with trace medium sand, clay and silt was observed below the fill layer throughout the site. Peat and organic clay layers were observed in the eastern and southeastern portion of the site in borings EB-01 (11.5 to 12 feet bgs) and EB-03 (13.5 to 14.5 feet bgs). During Langan's May 2018 geotechnical investigation, bedrock was encountered between about 105 and 118 feet bgs, corresponding to el -93 to -106, respectively.

Staining and/or a gasoline-like odor and PID readings above background were apparent during the investigation, and the findings are summarized below:

- Staining and a gasoline-like odor were apparent in boring EB-05 at about 11 to 12 feet bgs.
- A gasoline-like odor was encountered in borings EB-02 (9 to 24 feet bgs), EB-03 (16 to 18 feet bgs), EB-05 (10.5 to 17.5 feet bgs), EB-06 (9.5 to 19 feet bgs) and EB-10 (7.5 to 16 feet bgs)..

- PID readings above background were measured in borings EB-02 (maximum [max.] of 3,600 parts per million (ppm) at 16.5 feet bgs), EB-03 (max. of 21.3 ppm at 17 feet bgs), EB-05 (max. of 590 ppm at 11.5 feet bgs), EB-06 (max. of 1550 ppm at 14.5 feet bgs), and EB-10 (max. of 3,500 ppm at 12 feet bgs).

In response to the observed subsurface conditions, the NYSDEC was contacted on May 1, 2018, and Spill No. 1801068 was assigned.

Hydrogeology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flows toward areas of topographic lows, such as rivers, stream valleys, ponds and wetlands. A broader, interconnected hydrogeologic network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetative cover, subsurface structures (e.g., subways), and coverage by impervious surfaces. Other factors influencing groundwater include depth to bedrock, the presence of historical fill and variability in local geology and groundwater sources or sinks.

During groundwater sampling on May 2, 2018, groundwater depth ranged from about 14.97 to 17.36 feet bgs, corresponding to el -4.4 to -4.88. Regional groundwater is inferred to flow west toward the Hudson River, following the influence of local topography. Based on groundwater measurements collected during the RI, site groundwater flows to the west. Groundwater elevations measured during sampling and gauging events are recorded in Table 3, and a groundwater elevation contour map is included in Figure 6.

5.2 Soil Chemistry

Twenty-five grab soil samples, including one duplicate sample, were collected and submitted for laboratory analysis. Soil samples were analyzed for VOCs, SVOCs, metals, PCBs, and pesticides, and results were compared to the 6NYCRR Part 375 Unrestricted Use (UU) and Commercial Use (CU) Soil Cleanup Objectives (SCO).

VOCs – Concentrations of eight VOCs exceeded the UU and/or CU SCOs in one or more samples, as summarized below (SCOs presented in parentheses):

- 1,2,4-trimethylbenzene: maximum (max.) concentration of 290 milligrams per kilogram (mg/kg) in EB-02_14-16 (UU SCO of 3.6 mg/kg; CU SCO of 190 mg/kg)
- 1,3,5-trimethylbenzene: max. concentration of 100 mg/kg in EB-02_14-16 (UU SCO of 8.4 mg/kg; CU SCO of 190 mg/kg)
- acetone: 0.072 mg/kg in EB-07_1-2 (UU SCO of 0.05 mg/kg; CU SCO of 500 mg/kg)

- benzene: max. concentration of 49 mg/kg in EB-02_14-16 (UU SCO of 0.06 mg/kg; CU SCO of 44 mg/kg)
- ethylbenzene: max. concentration of 95 mg/kg in EB-02_14-16 (UU SCO of 1 mg/kg; CU SCO of 390 mg/kg)
- n-propylbenzene: max. concentration of 33 mg/kg in EB-02_14-16 (UU SCO of 3.9 mg/kg; CU SCO of 500 mg/kg)
- toluene: max. concentration of 220 mg/kg in EB-02_14-16 (UU SCO of 0.7 mg/kg; CU SCO of 500 mg/kg)
- total xylenes: max. concentration of 700 mg/kg in EB-02_14-16 (UU SCO of 0.26 mg/kg; CU SCO of 500 mg/kg)

SVOCs – Concentrations of eleven SVOCs exceeded the UU and/or CU SCOs in one or more samples, as summarized below (SCOs presented in parentheses):

- 2-methylphenol: max. concentration of 13 mg/kg in EB-02_14-16 (UU SCO of 0.33 mg/kg; CU SCO of 500 mg/kg)
- 3-methylphenol/4-methylphenol: 0.52 mg/kg in EB-09_3-4 (UU SCO of 0.33 mg/kg; CU SCO of 500 mg/kg)
- benzo(a)anthracene: max. concentration of 35 mg/kg in EB-09_3-4 (UU SCO of 1 mg/kg; CU SCO of 5.6 mg/kg)
- benzo(a)pyrene: max. concentration of 32 mg/kg in EB-09_3-4 (UU SCO of 1 mg/kg; CU SCO of 1 mg/kg)
- benzo(b)fluoranthene: max. concentration of 38 mg/kg in EB-09_3-4 (UU SCO of 1 mg/kg; CU SCO of 5.6 mg/kg)
- benzo(k)fluoranthene: max concentration of 11 mg/kg in EB-09_3-4 (UU SCO of 0.8 mg/kg; CU SCO of 56 mg/kg)
- chrysene: max. concentration of 28 mg/kg in EB-09_3-4 (UU SCO of 1 mg/kg; CU SCO of 56 mg/kg)
- dibenzo(a,h)anthracene: max. concentration of 4.2 mg/kg in EB-09_3-4 (UU SCO of 0.33 mg/kg; CU SCO of 0.56 mg/kg)
- dibenzofuran: 7.8 mg/kg in EB-09_3-4 (UU SCO 7 mg/kg; CU SCO 350 mg/kg)
- indeno(1,2,3-cd)pyrene: max. concentration of 19 mg/kg in EB-09_3-4 (UU SCO of 0.5 mg/kg; CU SCO of 5.6 mg/kg)
- Naphthalene: 15 mg/kg in EB-02_14-16 (UU SCO of 12 mg/kg; CU SCO of 500 mg/kg)

Pesticides – Concentrations of two pesticides exceeded the UU SCOs in one or more samples, as summarized below (SCOs presented in parentheses):

- 4,4'-DDE: 0.00898 mg/kg in EB-09_3-4 (UU SCO of 0.0033 mg/kg)
- 4,4'-DDT: 0.00448 mg/kg in EB-07_1-2 to 0.0154 mg/kg in EB-09_3-4 (UU SCO of 0.0033 mg/kg)

PCBs – PCBs were not detected at concentrations above the UU or CU SCOs.

Metals – Concentrations of five metals exceeded the UU and/or CU SCOs in one or more samples, as summarized below (SCOs presented in parentheses):

- barium: max. concentration of 1,040 mg/kg in EB-08_0-2 (UU SCO 350 mg/kg; CU SCO of 400 mg/kg)
- lead: max. concentration of 4,680 mg/kg in EB-08_0-2 (UU SCO of 63 mg/kg; CU SCO of 1,000 mg/kg)
- mercury: max. concentration of 1.39 mg/kg in EB-08_0-2 (UU SCO of 0.18 mg/kg; CU SCO of 2.8 mg/kg)
- nickel: 57.7 mg/kg in EB-07_1-2 (UU SCO of 30 mg/kg; CU SCO of 310 mg/kg)
- zinc: max. concentration of 672 mg/kg in EB-08_0-2 (UU SCO of 109 mg/kg; CU SCO of 10,000 mg/kg)

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill on the site. A summary of soil sample analytical results is included in Table 4. QA/QC sample results are presented in Table 7. Laboratory reports are included as Appendix H. Figure 7 shows the location and posts the values for soil samples that exceed the 6NYCRR Part 375 UU and CU SCOs.

5.3 Groundwater Chemistry

Five groundwater samples, including one duplicate sample, were collected during the RI and were analyzed for VOCs, SVOCs, pesticides, PCBs, and dissolved metals. Groundwater sample analytical results were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGV) for Class GA water. TOGS Class GA AWQSGVs are presented in parentheses:

VOCs

The following VOCs were detected at concentrations above the corresponding TOGS Class GA SGVs:

- 1,2,4,5-tetramethylbenzene: 54 micrograms per liter (µg/L) in MW06 (5 µg/L)
- 1,2,4-trimethylbenzene: 740 µg/L in MW06 and 1,200 µg/L in MW02 and its duplicate sample (5 µg/L)

- 1,3,5-trimethylbenzene: 210 µg/L in MW06 to 390 µg/L in the duplicate sample from MW02 (5 µg/L)
- benzene: 4,400 µg/L in MW06 to 13,000 µg/L in the duplicate sample from MW02 (1 µg/L)
- ethylbenzene: 480 µg/L in MW06 and 1,400 µg/L in MW02 and its duplicate sample (5 µg/L)
- naphthalene: 380 µg/L in MW06 to 550 µg/L in the duplicate sample from MW02 (10 µg/L)
- n-propylbenzene: 60 µg/L in MW06 and 120 µg/L in MW02 (10 µg/L)
- o-xylene: 550 µg/L in MW06 to 3,600 µg/L in the duplicate sample from MW02 (10 µg/L)
- p/m-xylene: 1,300 µg/L in MW06 to 7,100 µg/L in the duplicate sample from MW02 (5 µg/L)
- toluene: 850 µg/L in MW06 to 16,000 µg/L in the duplicate sample from MW02 (5 µg/L)

SVOCs

The following SVOCs were detected at concentrations above the corresponding Class GA SGVs:

- benzo(a)anthracene: 0.11 µg/L in MW04 (0.002 µg/L)
- benzo(a)pyrene: 0.09 µg/L in MW04 (Non-detect)
- benzo(b)fluoranthene: 0.14 µg/L in MW04 (0.002 µg/L)
- benzo(k)fluoranthene: 0.06 µg/L in MW04 (0.002 µg/L)
- chrysene: 0.11 µg/L in MW04 (0.002 µg/L)
- naphthalene: 140 µg/L in MW06 to 310 µg/L in MW02 (10 µg/L)
- phenol: 16 µg/L in the duplicate sample from MW02 to 58 µg/L in MW06 (1 µg/L)

Pesticides

The following pesticides were detected at concentrations above the corresponding Class GA SGVs:

- aldrin: 0.005 µg/L in the duplicate sample from MW02 and 0.008 µg/L in MW02 (Non-detect)
- dieldrin: 0.01 µg/L to 0.013 µg/L in the duplicate sample from MW02 and MW02, respectively (0.004 µg/L)

PCBs

Total PCBs were detected at concentrations above the Class GA SGVs, as summarized below:

- Total PCBs: 0.139 µg/L in MW02 to 0.21 µg/L in the duplicate sample from MW02 (0.09 µg/L)

Dissolved Metals

The following dissolved metals were detected in all monitoring wells at concentrations above the corresponding Class GA SGVs:

- iron: max. concentration of 11,200 µg/L in MW06 (300 µg/L)
- magnesium: max. concentration of 124,000 µg/L in the duplicate sample from MW02 (35,000 µg/L)
- manganese: max. concentration of 3,616 µg/L in the duplicate sample from MW02 (300 µg/L)
- sodium: max. concentration of 308,000 µg/L in the duplicate sample from MW02 (20,000 µg/L)

A summary of groundwater analytical results is presented in Table 5. Groundwater sample locations and results detected above SGVs are presented in Figure 8.

5.4 Soil Vapor Chemistry

Seven soil vapor samples and one outdoor ambient air sample were collected over three sampling events. There are no standards or guidance values in New York State for VOCs in soil vapor. Soil vapor analytical results were compared to the ambient air samples for reference. Concentrations of total VOCs for each sample are as follows:

Outdoor Ambient Air 4/25/2018: 32.471 micrograms per cubic meter (µg/m³)

- SV01_050218: 548.229 µg/m³
- SV02_042518: 312.84 µg/m³
- SV03_042518: 555.32 µg/m³
- SV04_042618: 2,157.01 µg/m³
- SV05_042518: 1,556.2 µg/m³
- SV06_042518: 56,650 µg/m³
- SV07_042518: 290.01 µg/m³

Total benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations in soil vapor samples ranged from 84.05 µg/m³ in sample SV01 to 7,748 µg/m³ in sample SV06.

In addition, one of the seven VOCs that can be evaluated using the Decision Matrices in NYSDOH's Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) was detected in soil vapor: tetrachloroethene (PCE) was detected at a maximum concentration of 8.41 $\mu\text{g}/\text{m}^3$ at location SV01. In the absence of indoor air samples, the results for PCE in soil vapor samples indicate "no further action" per the Soil Vapor/ Indoor Air Matrix.

A summary of detected soil vapor and ambient air analytical results are presented in Table 6. Soil vapor sample locations and detected VOCs are presented in Figure 9.

6.0 CONCLUSIONS

The RI was implemented between April 23 and May 2, 2018 to characterize the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives and selection of a remedy that is protective of human health and the environment consistent with the proposed use of the site. Based on the RI field observations and analytical results, the following conclusions and recommendations are provided:

1. Current site elevations range from about el 10.77 in the southern portion of the site to el 13.88 in the northeastern portion of the site.
2. The geophysical survey identified electrical, water, sewer and gas utilities entering the site from Greenwich Street. An anomaly indicative of a UST, an associated fill port, and vent pipes were identified in the western portion of Lot 42 adjacent to the Greenwich Street sidewalk. Evidence of former gasoline dispenser islands was observed to the north and south of the anomaly. A second fill port was identified in the southwest portion of Lot 48. Due to the presence of hydraulic lifts associated with parking in the potential UST area demarcated in the geophysical survey, access near the vicinity of the fill port was limited.
3. The subsurface consisted of fill material underlying the surficial concrete and asphalt cover to depths of about 7.5 to 13 feet bgs. A native sand layer consisting of brown fine sand with trace medium sand, clay and silt was observed below the fill layer. Peat and organic clay layers were observed in the eastern and southeastern portion of the site in borings EB-01 (11.5 to 12 feet bgs) and EB-03 (13.5 to 14.5 feet bgs). Gasoline-like odors and PID readings up to 3,600 ppm were measured in borings located in the central and western portions of the site.
4. Groundwater was encountered from 14.96 to 17.36 feet bgs, corresponding to -4.40 to el -4.88. Regional groundwater flow is estimated to the west, toward the Hudson River. Based on groundwater measurements collected during the RI, site groundwater generally flows to the west. Headspace PID readings above background and gasoline-like odors were apparent in MW02 (250 ppm), MW03 (21.9 ppm) and MW06 (250 ppm). No sheen was observed on groundwater during groundwater sampling.
5. Soil sample results were compared to the NYSDEC 6NYCRR Part 375 UU and CU SCOs):
 - Three VOCs, including 1,2,4-trimethylbenzene, benzene, and total xylenes, were detected at concentrations above the CU SCOs in sample EB02_14-16. In addition, concentrations of eight VOCs, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, acetone, benzene, ethylbenzene, n-propylbenzene, toluene and total xylenes, were detected at concentrations above the UU SCOs in one or more sample.

- Five SVOCs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, were detected at concentrations above the CU SCOs in one or more samples. In addition, concentrations of eleven SVOCs, including 2-methylphenol, 3-methylphenol/4-methylphenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, indeno(1,2,3-cd)pyrene, and naphthalene, were detected at concentrations above the UU SCOs in one or more samples.
 - Two pesticides, 4,4'-DDE and 4,4'-DDT, were detected at concentrations above the UU SCOs.
 - PCBs were not detected at concentrations above the UU SCOs.
 - Five metals, including barium, lead, mercury, nickel, and zinc exceeded the UU SCOs. Barium and lead were also detected at concentrations above the CU SCOs.
 - The fill material contained concentrations of metals, pesticides, and SVOCs typical of urban fill in Manhattan. The presence of gasoline-related VOCs and SVOCs in soil is likely a result of a historic gasoline spill in the southwest portion of the site. In response to the observed subsurface conditions, the NYSDEC was contacted on May 1, 2018 and Spill Number 1801068 was assigned.
6. Groundwater sample analytical results were compared to the TOGS Class GA SGVs:
- Ten VOCs, including 1,2,4,5-tetramethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, naphthalene, n-propylbenzene, o-xylene, p/m-xylene, and toluene were detected at concentrations above the Class GA SGVs.
 - Seven SVOCs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, naphthalene, and phenol, were detected at concentrations above the Class GA SGVs.
 - Two pesticides, aldrin and dieldrin, were detected at concentrations above the Class GA SGVs.
 - Total PCBs were detected at a concentration above the Class GA SGV.
 - Four metals, including iron, magnesium, manganese, and sodium, were detected in groundwater samples at dissolved concentrations above the Class GA SGVs. These metals are representative of regional groundwater quality.
7. Soil Vapor samples results were compared to ambient air sample results and were evaluated based on the NYSDOH decision matrices:

- Total VOC concentrations in soil vapor samples ranged from 290.01 $\mu\text{g}/\text{m}^3$ to 56,650 $\mu\text{g}/\text{m}^3$, and were up to three orders of magnitude higher than total VOC concentrations in the outdoor ambient air sample (32.471 $\mu\text{g}/\text{m}^3$).
- BTEX concentrations in soil vapor samples ranged from 84.05 $\mu\text{g}/\text{m}^3$ to 7,748 $\mu\text{g}/\text{m}^3$, and up to three orders of magnitude higher than BTEX in the outdoor ambient air sample (7.47 $\mu\text{g}/\text{m}^3$).
- The NYSDOH decision matrices establish threshold concentrations for carbon tetrachloride, 1,1-dichloroethene, cis-1,2-dichloroethene, TCE, methylene chloride, PCE, 1,1,1-TCA, and vinyl chloride. Of the eight compounds evaluated for the NYSDOH decision matrices, only PCE was detected in soil vapor samples. In the absence of indoor air samples, the PCE concentrations in soil vapor indicate a suggested action of "no further action".

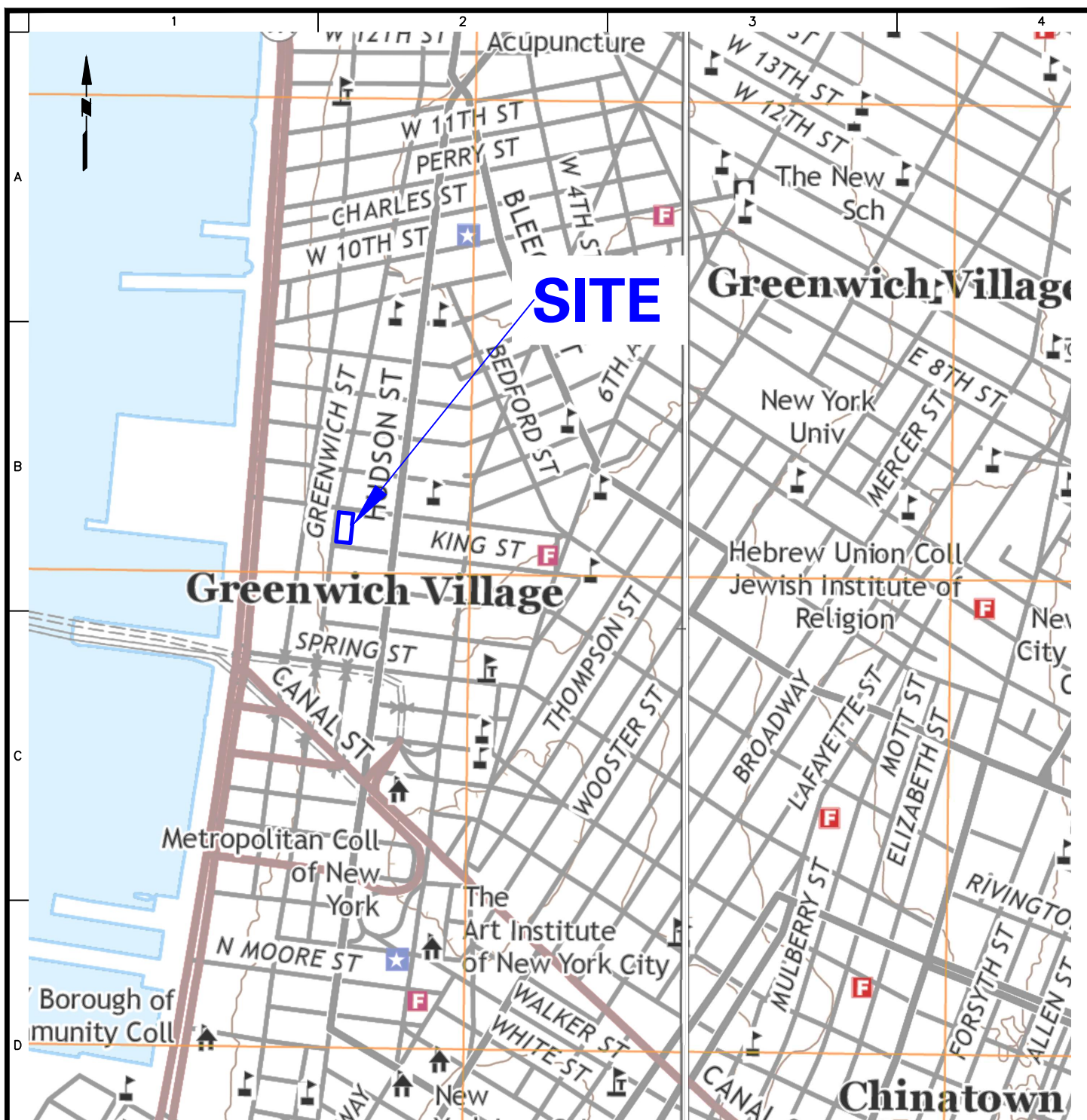
6.1 Prior Activity

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

6.2 Impediments to Remedial Action

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

FIGURES



NOTES:

1. BASE MAP IS REFERENCED FROM UNITED STATES GEOLOGICAL SURVEY (USGS) 7.5-MINUTE SERIES TOPOGRAPHICAL MAPS, JERSEY CITY AND BROOKLYN QUADRANGLES, DATED 2016.



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Longan Engineering and Environmental Services, Inc.
Longan International LLC

Collectively known as Langan

Project

**551 GREENWICH
STREET**

BLOCK No. 598, LOT Nos. 42 and 48

NEW YORK

NEW YORK

Figure Title

SITE LOCATION MAP

Project No.	19004
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Date 25/11/2012

Scale

Drawn By

Checked By	
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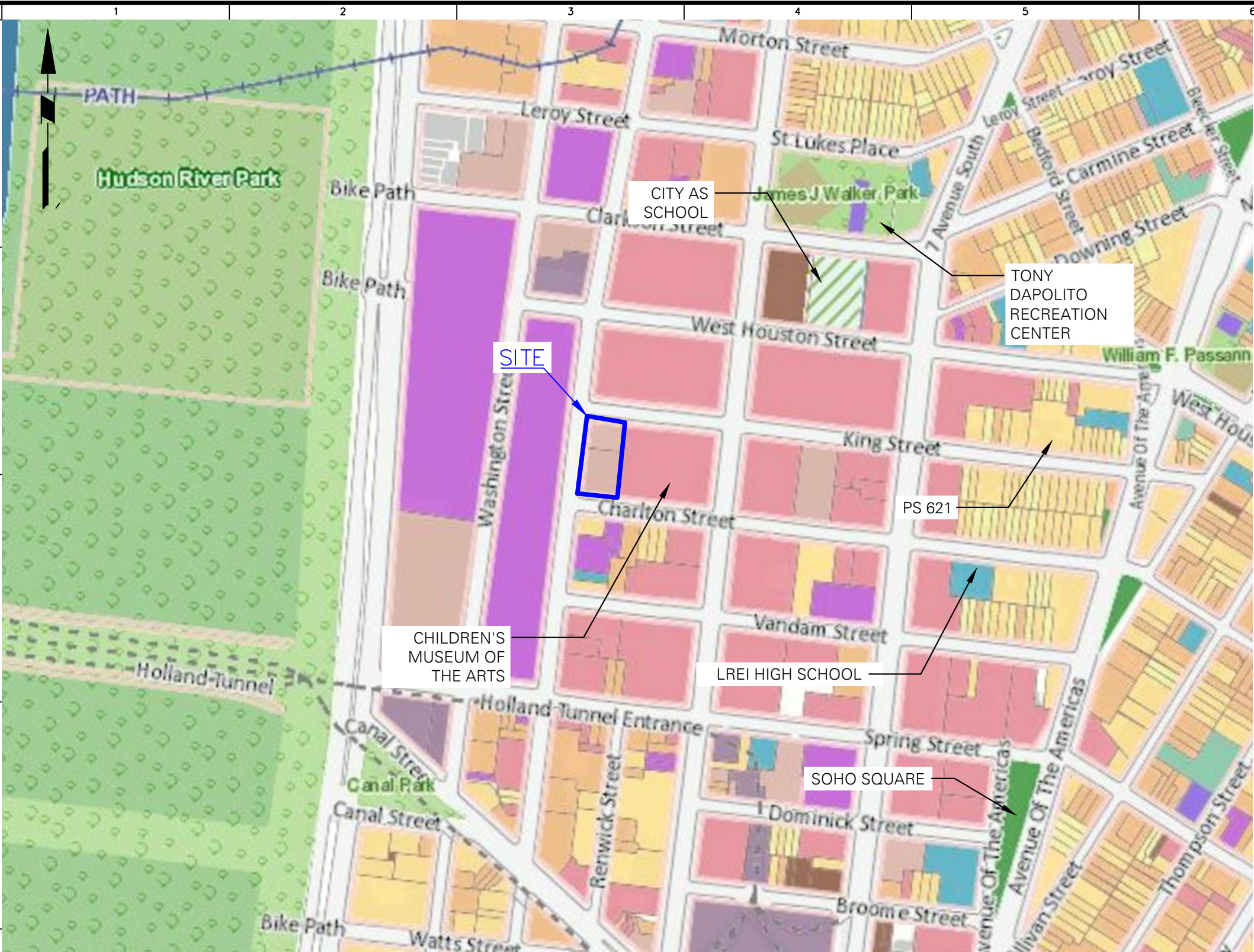
KT	PM
Submission Date	

04/06/2018

Figure No.

1

Sheet 1 of 9



LEGEND



- APPROXIMATE SITE BOUNDARY
- 1 & 2 FAMILY RESIDENTIAL
- MULTI-FAMILY RESIDENTIAL
- MIXED USE
- OPEN SPACE & OUTDOOR RECREATION
- COMMERCIAL
- INSTITUTIONS
- INDUSTRIAL
- PARKING
- TRANSPORTATION/UTILITIES
- VACANT LOTS

GENERAL NOTES:

- 1. BASE MAP TAKEN FROM WWW.OASISNYC.NET/MAP ON NOVEMBER 6, 2017.

SCALE IN FEET

LANGAN

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project

551 GREENWICH STREET

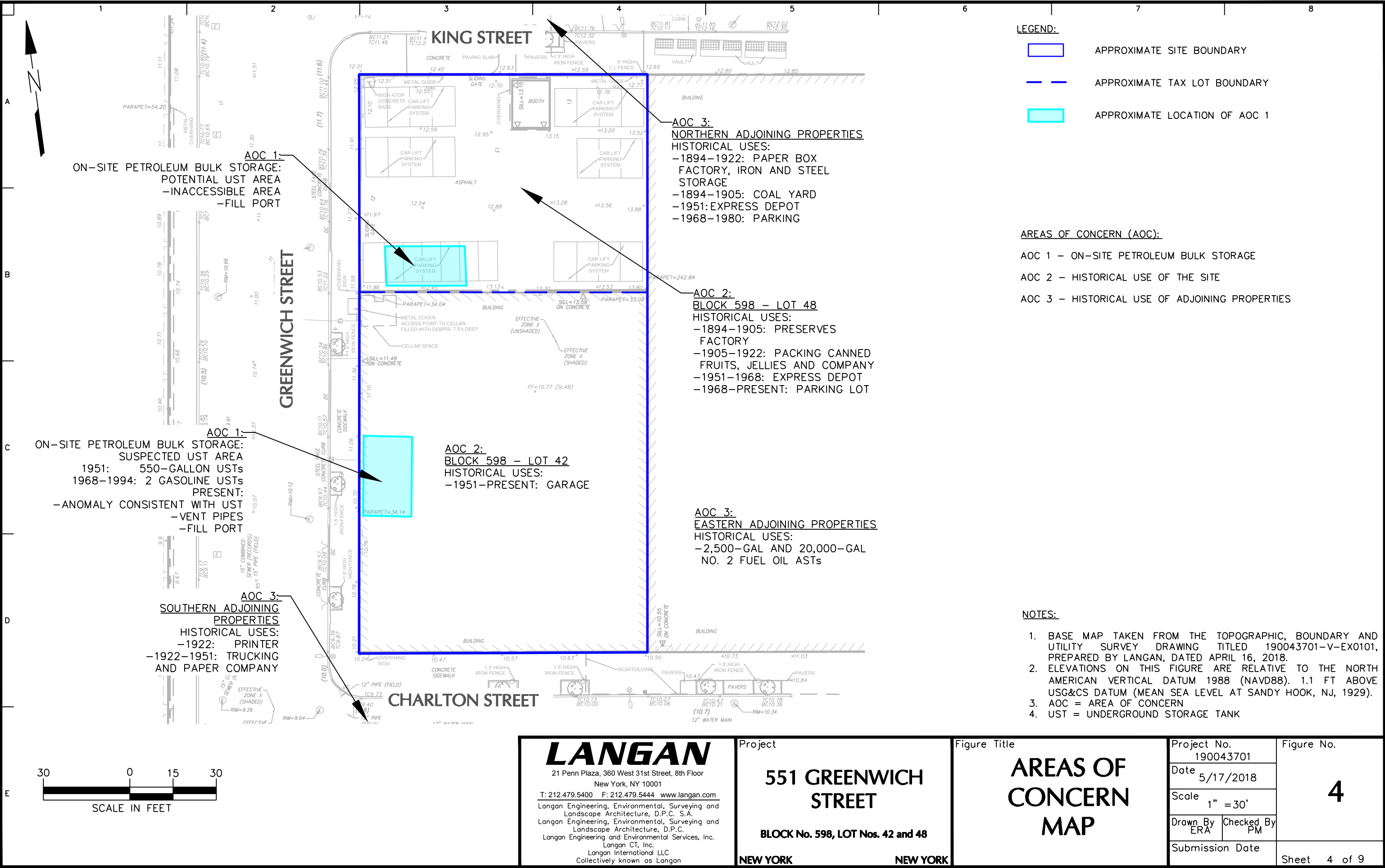
BLOCK No. 598, LOT Nos. 42 and 48

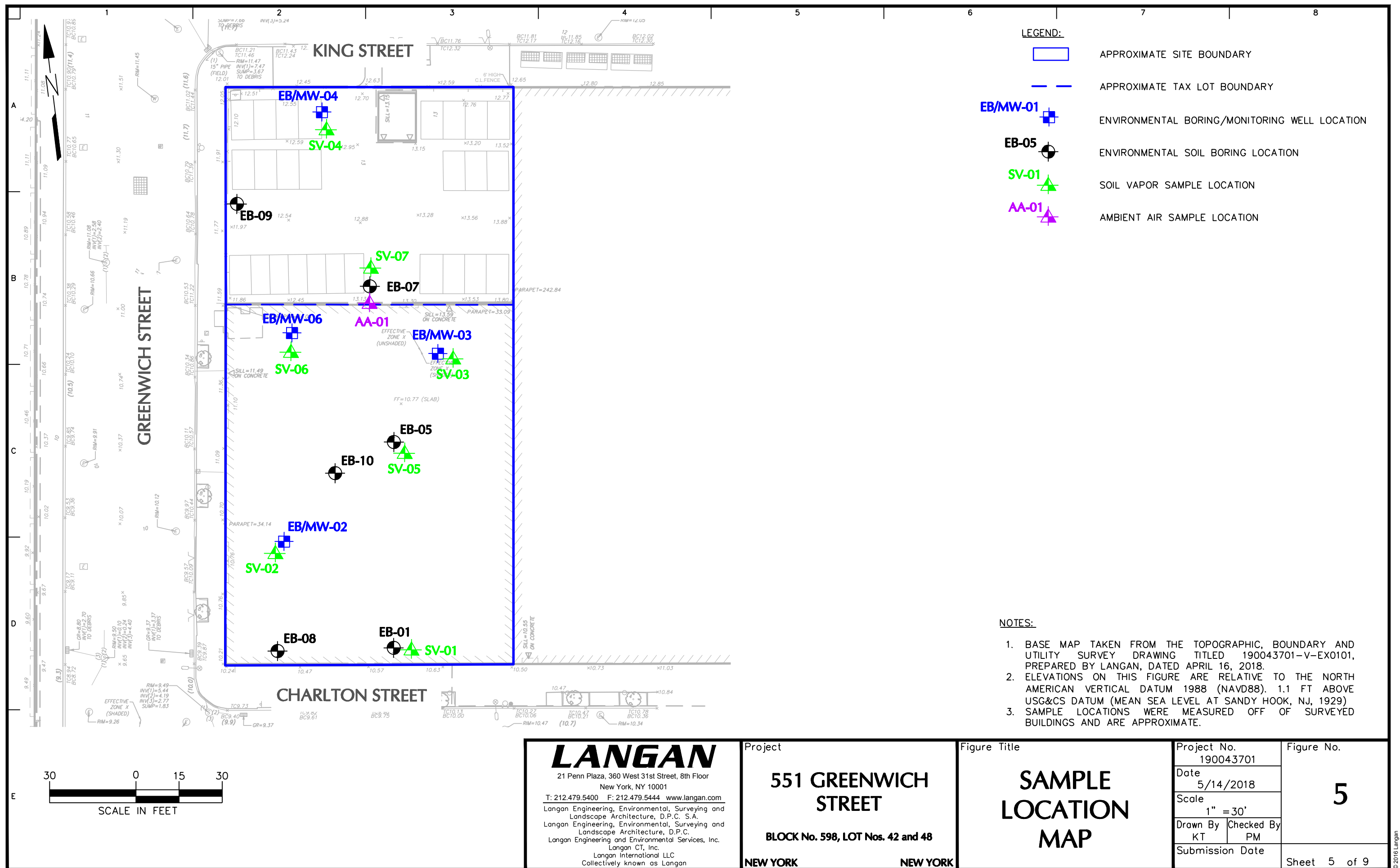
NEW YORK NEW YORK

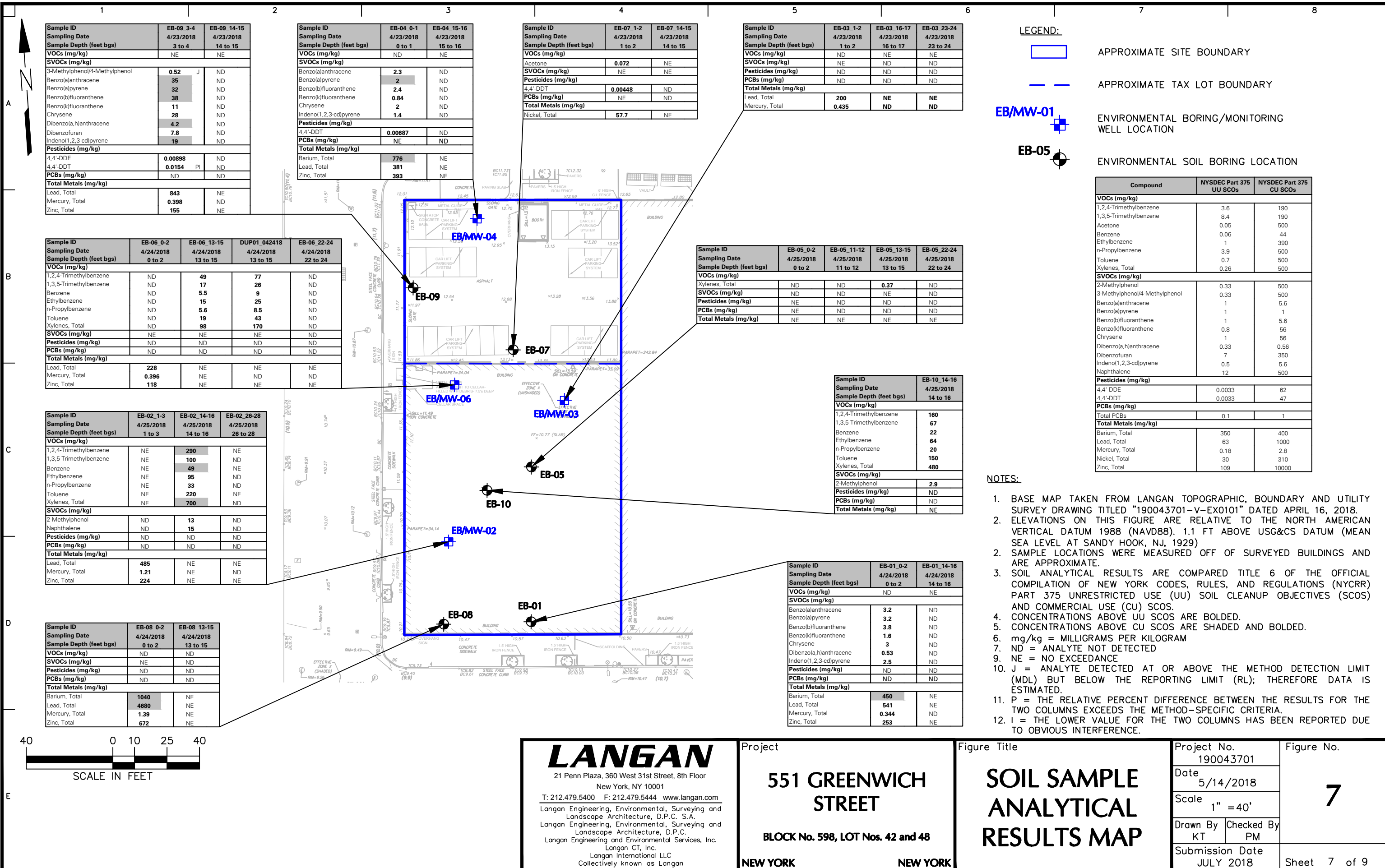
Figure Title

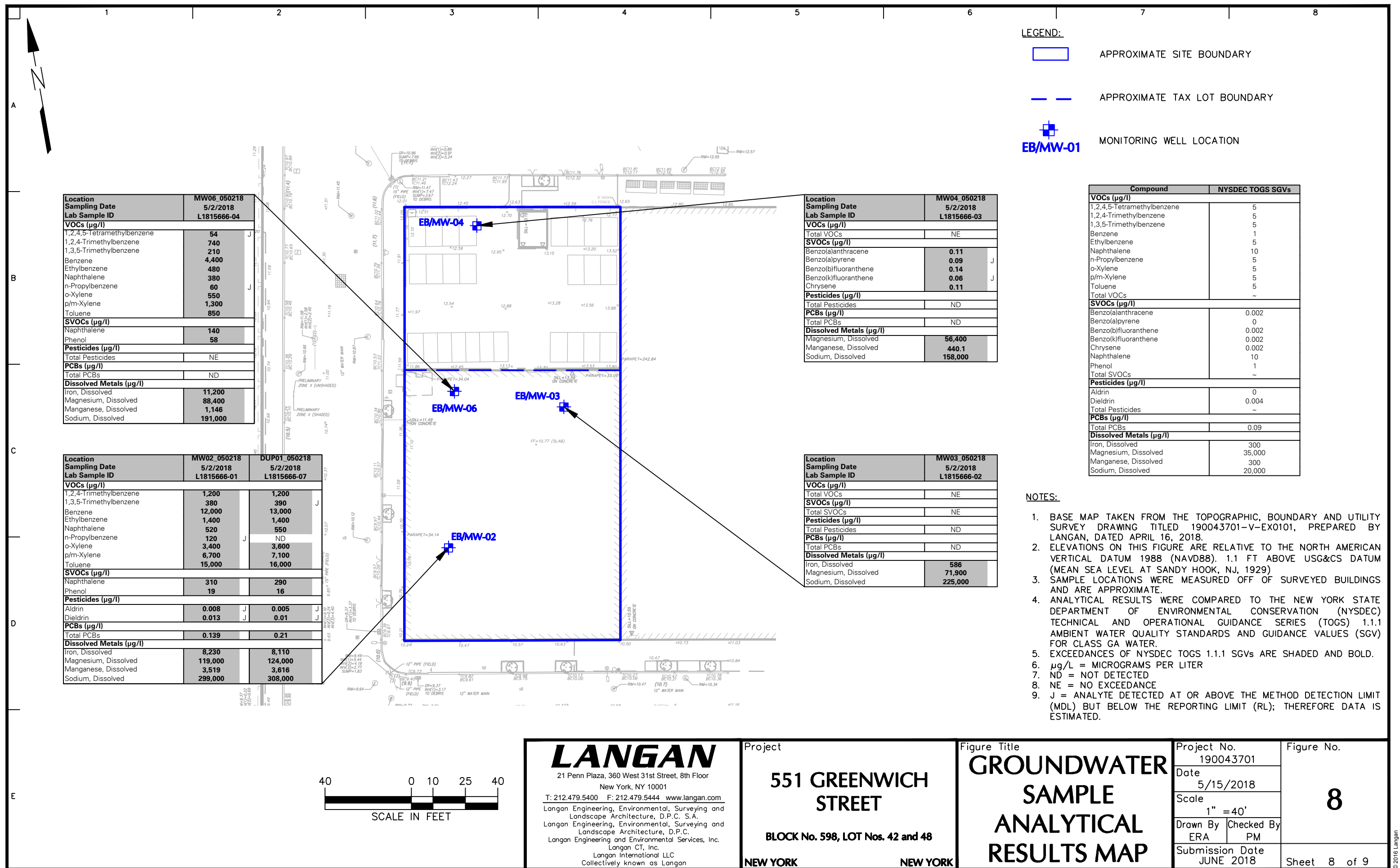
ADJACENT PROPERTY AND SURROUNDING LAND USES MAP

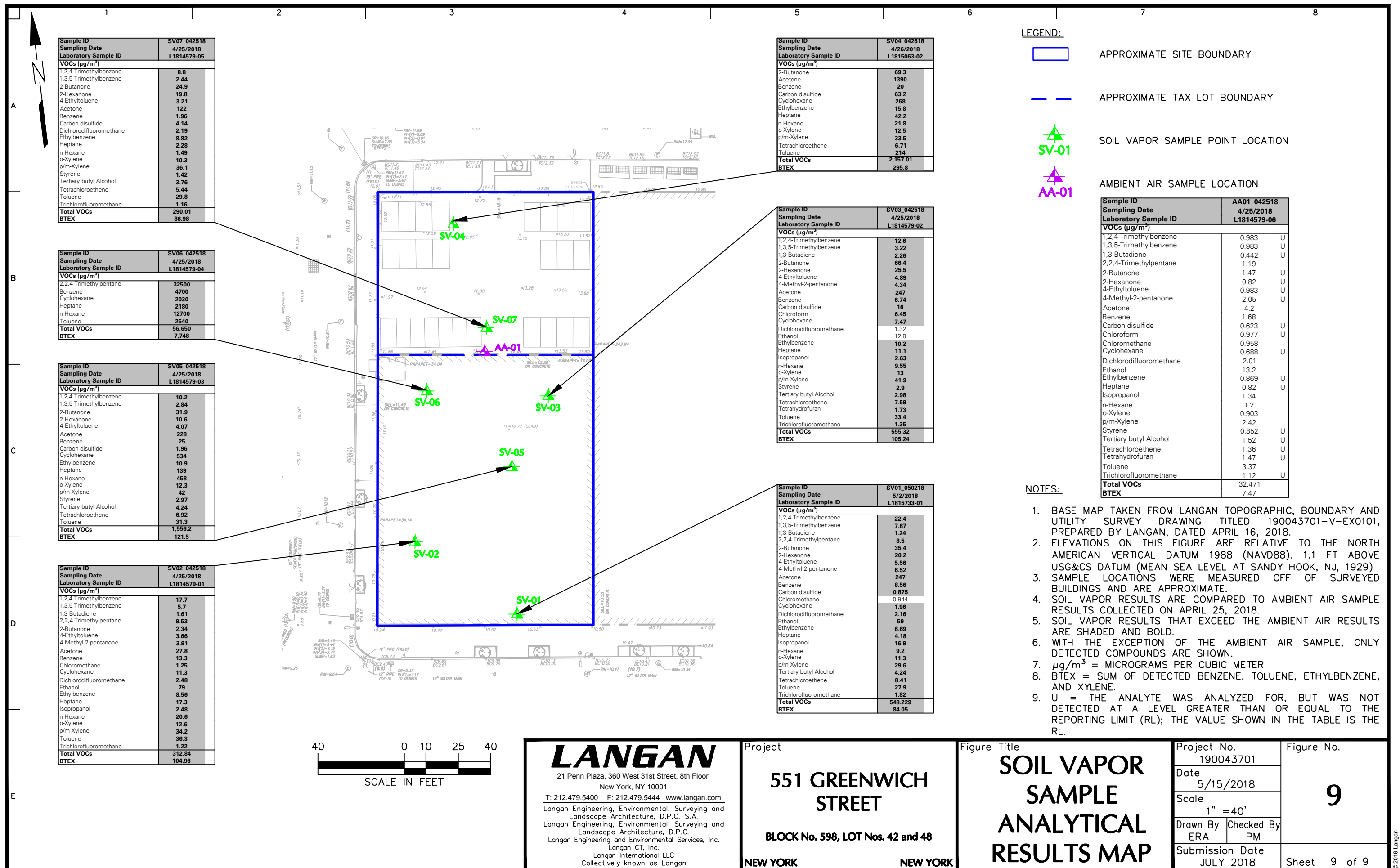
Project No. 190043701	Figure No. 3
Date 11/06/2017	
Scale 1" = 300'	
Drawn By KT	
Checked By PM	
Submission Date 5/14/2018	Sheet 3 of 9











TABLES

Table 1
Sample Collection Summary
Remedial Investigation Report
551 Greenwich Street
New York, New York
Langan Project No. 190043701

SOIL SAMPLING						
No.	Sample Name	Boring Location	Approximate Grade Surface Elevation (NAVD88)	Sample Depth (feet bgs)	Date	Analysis
1	EB-01_0-2	EB-01	11	0 to 2	4/24/2018	Part 375/ TCL VOCs, SVOCs, PCBs, Pesticides and Part 375/ TAL Metals
2	EB-01_14-16			14 to 16	4/24/2018	
3	EB-02_1-3	EB-02/MW02	11	1 to 3	4/25/2018	
4	EB-02_14-16			14 to 16	4/25/2018	
5	EB-02_26-28			26 to 28	4/25/2018	
6	EB-03_1-2	EB-03/MW03	11	1 to 2	4/23/2018	
7	EB-03_16-17			16 to 17	4/23/2018	
8	EB-03_23-24			23 to 24	4/23/2018	
9	EB-04_0-1	EB-04/MW04	12.5	0 to 1	4/23/2018	
10	EB-04_15-16			15 to 16	4/23/2018	
11	EB-05_0-2	EB-05	11	0 to 2	4/25/2018	
12	EB-05_11-12			11 to 12	4/25/2018	
13	EB-05_13-15			13 to 15	4/25/2018	
14	EB-05_22-24			22 to 24	4/25/2018	
15	EB-06_0-2	EB-06/MW06	11	0 to 2	4/24/2018	
16	EB-06_13-15			13 to 15	4/24/2018	
17	EB-06_22-24			22 to 24	4/24/2018	
18	EB-07_1-2	EB-07	13	1 to 2	4/23/2018	
19	EB-07_14-15			14 to 15	4/23/2018	
20	EB-08_0-2	EB-08	11	0 to 2	4/24/2018	
21	EB-08_13-15			13 to 15	4/24/2018	
22	EB-09_3-4	EB-09	12	3 to 4	4/23/2018	
23	EB-09_14-15			14 to 15	4/23/2018	
24	EB-10_14-16	EB-10	11	14 to 16	4/25/2018	
SOIL - QA/QC						
No.	Sample Name	Boring Location	Approximate Grade Surface Elevation (NAVD88)	Sample Depth (feet bgs)	Date	Analysis
25	DUP01_042418	EB-06/MW06	11	13-15	4/24/2018	Part 375/ TCL VOCs, SVOCs, PCBs, Pesticides and Part 375/ TAL Metals
1	FIELD BLANK	NA	NA	NA	4/23/2018	Part 375/ TCL VOCs, SVOCs, PCBs, Pesticides and Part 375/ TAL Metals
1	TRIP BLANK	NA	NA	NA	4/23/2018	Part 375/TCL VOCs
2	TRIP BLANK	NA	NA	NA	5/2/2018	
GROUNDWATER SAMPLING						
No.	Sample Name	Boring Location	Approximate Grade Surface Elevation (NAVD88)	Screened Interval (feet bTOC)	Date	Analysis
1	MW-02_050218	MW02	11	12.51-22.52	5/2/2018	Part 375/ TCL VOCs, SVOCs, PCBs, Pesticides and Part 375/ TAL Dissolved Metals
2	MW-03_050218	MW03	11	10.10-20.10	5/2/2018	
3	MW-04_050218	MW04	12.5	10.02-20.02	5/2/2018	
4	MW-06_050218	MW06	11	11.59-21.59	5/2/2018	
GROUNDWATER - QA/QC						
No.	Sample Name	Boring Location	Approximate Grade Surface Elevation (NAVD88)	Screened Interval (feet bTOC)	Date	Analysis
5	DUP01_050218	EB-02/MW02	11	12.51-22.52	5/2/2018	Part 375/ TCL VOCs, SVOCs, PCBs, Pesticides and Part 375/ TAL Dissolved Metals
1	FIELD BLANK	NA	NA	NA	5/2/2018	
1	TRIP BLANK	NA	NA	NA	5/2/2018	Part 375/TCL VOC
SOIL VAPOR SAMPLING						
No.	Sample Name	Boring Location	Approximate Grade Surface Elevation (NAVD88)	Sample Depth (feet bgs)	Date	Analysis
1	SV-01_050218	SV01	11	6	5/2/2018	TO-15 VOCs
2	SV-02_042518	SV02	11	10	4/25/2018	
3	SV-03_042518	SV03	11	6	4/25/2018	
4	SV-04_042618	SV04	12.5	12	4/26/2018	
5	SV-05_042518	SV05	11	6	4/25/2018	
6	SV06_042518	SV06	11	10	4/25/2018	
7	SV-07_042518	SV07	13	12	4/25/2018	
8	AA01_042518	NA	NA	N/A	4/25/2018	

Notes:

1. Soil samples collected for VOC analysis were collected using Terra Core Sampler kits.
2. TO-15 = Compendium Method TO-15 used to determine toxic organic compounds in soil vapor and ambient air samples.
3. Part 375 = Title 6 of the official compilation of New York Codes, Rules and Regulations (NYCRR) Part 375
4. VOCs = Volatile organic compounds
5. SVOCs = Semivolatile organic compounds
6. PCBs = Polychlorinated Biphenyls
7. TCL = Target Compound List
8. TAL = Target Analyte List
9. QA/QC = Quality assurance/quality control
10. bgs = below grade surface
11. Grade surface elevations are referenced to the North American Vertical Datum of 1988, and are approximated.
12. Soil vapor points were installed to the anticipated future cellar grade, between 10 and 12 feet bgs. Excessive moisture was encountered in points SV01, SV03, and SV05, so the points were re-installed to a depth of 6 feet bgs.

Table 2
Soil Boring, Monitoring Well and Soil Vapor Sample Point Construction Summary
Remedial Investigation Report
551 Greenwich Street
New York, New York
Langan Project No. 190043701

Location Identification Number	Date of Completion/ Construction	Status	Total Depth (feet bgs)	Diameter (inches)	Approximate Grade Surface Elevation (NAVD88)	Screened Interval (feet bgs)	Construction Material
Soil Borings							
EB-01	4/24/2018	N/A	20	2	11	N/A	N/A
EB-02	4/25/2018		28		11		
EB-03	4/23/2018		24		11		
EB-04	4/23/2018		20		12.5		
EB-05	4/25/2018		24		11		
EB-06	4/24/2018		24		11		
EB-07	4/23/2018		16		13		
EB-08	4/24/2018		16		11		
EB-09	4/23/2018		16		12		
EB-10	4/25/2018		16		11		
Monitoring Wells							
MW02	4/25/2018	Permanent	22.52	2	11	12.52 to 22.52	2"-diameter PVC
MW03	4/23/2018		20.10		11	10.10 to 20.10	
MW04	4/23/2018		20.02		12.5	10.02 to 20.02	
MW06	4/24/2018		21.59		11	11.59 to 21.59	
Ambient Air and Soil Vapor Sample Points							
SV01	4/24/2018	Temporary	6	1	11	N/A	1.875" polyethylene implants and teflon tubing
SV02	4/25/2018		10		11		
SV03	4/24/2018		6		11		
SV04	4/25/2018		12		13		
SV05	4/25/2018		6		11		
SV06	4/24/2018		10		11		
SV07	4/24/2018		12		13		
AA01	4/25/2018		NA		NA		

Notes:

1. NA = Not Applicable
2. PVC = Polyvinyl Chloride
3. bgs = below grade surface
4. Grade surface elevations are referenced to the North American Vertical Datum of 1988 (NAVD88), and are approximated.
5. Sample locations were installed with a Geoprobe ® 7822 DT direct-push drill rig.

Table 3
Groundwater Elevation Summary
Remedial Investigation Report
551 Greenwich Street
New York, New York
Langan Project No. 190043701

Date Gauged	Well Location	Well Diameter (in.)	Screened Interval (feet bTOC)	Approximate Elevation of TOC (feet NAVD88)	Depth to Groundwater (feet bTOC)	Groundwater Elevation (feet NAVD88)
5/2/2018	MW02	2	12.52 to 22.52	10.56	15.24	-4.68
5/2/2018	MW03	2	10.10 to 20.10	10.57	14.97	-4.4
5/2/2018	MW04	2	10.02 to 20.02	12.48	17.36	-4.88
5/2/2018	MW06	2	11.59 to 21.59	10.97	15.82	-4.85

Notes:

1. Depth to groundwater was measured in feet below the top of well casing (bTOC).
2. Grade surface elevations are referenced to the North American Vertical Datum of 1988 (NAVD88).

Table 4
Soil Sample Analytical Results
Remedial Investigation Report
551 Greenwich Street
New York, New York
Langan Project No. 190043701

Sample ID	NYSDEC Part 375	NYSDEC Part 375	EB-01_0-2	EB-01_14-16	EB-02_1-3	EB-02_14-16	EB-02_26-28	EB-03_1-2	EB-03_16-17	EB-03_23-24	EB-04_0-1	EB-04_15-16	EB-05_0-2	EB-05_11-12	EB-05_13-15													
Sampling Date	Unrestricted Use SCOs	Commercial Use SCOs	4/24/2018	4/24/2018	4/25/2018	4/25/2018	4/25/2018	4/23/2018	4/23/2018	4/23/2018	4/23/2018	4/23/2018	4/25/2018	4/25/2018	4/25/2018													
Lab Sample ID			L1814438-04	L1814438-05	L1814580-01	L1814580-02	L1814580-03	L1814188-01	L1814188-02	L1814188-03	L1814188-04	L1814188-05	L1814580-04	L1814580-05	L1814580-06													
Sample Depth (feet bgs)			0 to 2	14 to 16	1 to 3	14 to 16	26 to 28	1 to 2	16 to 17	23 to 24	0 to 1	15 to 16	0 to 2	11 to 12	13 to 15													
VOCs (mg/kg)																												
1,1,1,2-Tetrachloroethane	~	~	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.11	U				
1,1,1-Trichloroethane	0.68	500	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.11	U
1,1,2,2-Tetrachloroethane	~	~	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.11	U
1,1,2-Trichloroethane	~	~	0.0031	U	0.0024	U	0.0026	U	6.2	U	0.0023	U	0.0017	U	0.0022	U	0.003	U	0.0023	U	0.0016	U	0.0031	U	0.094	U	0.16	U
1,1-Dichloroethane	0.27	240	0.0031	U	0.0024	U	0.0026	U	6.2	U	0.0023	U	0.0017	U	0.0022	U	0.003	U	0.0023	U	0.0016	U	0.0031	U	0.094	U	0.16	U
1,1-Dichloroethene	0.33	500	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.11	U
1,1-Dichloropropene	~	~	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.55	U
1,2,3-Trichlorobenzene	~	~	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.55	U
1,2,3-Trichloropropane	~	~	0.021	U	0.016	U	0.017	U	41	U	0.016	U	0.011	U	0.015	U	0.02	U	0.015	U	0.01	U	0.02	U	0.63	U	1.1	U
1,2,4,5-Tetramethylbenzene	~	~	0.0082	U	0.0064	U	0.0064	J	31		0.0062	U	0.0045	U	0.00037	J	0.0081	U	0.0062	U	0.0042	U	0.0082	U	0.032	J	0.44	U
1,2,4-Trichlorobenzene	~	~	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.55	U
1,2,4-Trimethylbenzene	3.6	190	0.01	U	0.0081	U	0.0014	J	290		0.00038	J	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.082	J
1,2-Dibromo-3-chloropropane	~	~	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.55	U
1,2-Dibromoethane	~	~	0.0082	U	0.0064	U	0.0069	U	16	U	0.0062	U	0.0045	U	0.006	U	0.0081	U	0.0062	U	0.0042	U	0.0082	U	0.25	U	0.44	U
1,2-Dichlorobenzene	1.1	500	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.55	U
1,2-Dichloroethane	0.02	30	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.11	U
1,2-Dichloroethene, Total	~	~	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.11	U
1,2-Dichloropropane	~	~	0.0072	U	0.0056	U	0.006	U	14	U	0.0054	U	0.0039	U	0.0052	U	0.0071	U	0.0054	U	0.0036	U	0.0072	U	0.22	U	0.39	U
1,3,5-Trimethylbenzene	8.4	190	0.01	U	0.0081	U	0.00041	J	100		0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.021	J
1,3-Dichlorobenzene	2.4	280	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.55	U
1,3-Dichloropropane	~	~	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.55	U
1,3-Dichloropropane, Total	~	~	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.11	U
1,4-Dichlorobenzene	1.8	130	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.55	U
1,4-Dioxane	0.1	130	0.082	U	0.064	U	0.069	U	160	U	0.062	U	0.045	U	0.06	U	0.081	U	0.062	U	0.042	U	0.082	U	2.5	U	0.44	U
2,2-Dichloropropane	~	~	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	4.4	U
2-Butanone	0.12	500	0.021	U	0.016	U	0.017	U	41	U	0.016	U	0.011	U	0.015	U	0.02	U	0.015	U	0.01	U	0.02	U	0.63	U	0.55	U
2-Hexanone	~	~	0.021	U	0.016	U	0.017	U	41	U	0.016	U	0.011	U	0.015	U	0.02	U	0.015	U	0.01	U	0.02	U	0.63	U	1.1	U
4-Methyl-2-pentanone	~	~	0.021	U	0.016	U	0.017	U	41	U	0.016	U	0.011	U	0.015	U	0.02	U	0.015	U	0.01	U	0.02	U	0.63	U	1.1	U
Acetone	0.05	500	0.021	U	0.018	U	0.017	U	41	U	0.0081	J	0.011	U	0.03		0.0089	J	0.015	U	0.0082	J	0.01	J	0.63	U	0.44	U
Acrylonitrile	~	~	0.021	U	0.016	U	0.017	U	41	U	0.016	U	0.011	U	0.015	U	0.02	U	0.015	U	0.01	U	0.02	U	0.63	U	1.1	U
Benzene	0.06	44	0.0021	U	0.0016	U	0.00054	J	49		0.00031	J	0.0011	U	0.0031		0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	1.1	U
Bromobenzene	~	~	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	1.1	U
Bromochloromethane	~	~	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.68	
Bromodichloromethane	~	~	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.55	U
Bromoform	~	~	0.0082	U	0.0064	U	0.0069	U	16	U	0.0062	U	0.0045	U	0.006	U	0.0081	U	0.0062	U	0.0042	U	0.0082	U	0.25	U	0.55	U
Bromomethane	~	~	0.0041	U	0.0032	U	0.0034	U	8.2	U	0.0031	U	0.0022	U	0.003	U	0.0041	U	0.0031	U	0.0021	U	0.0041	U	0.12	U	0.11	U
Carbon disulfide	~	~	0.021	U	0.0018	J	0.017	U	41	U	0.016	U	0.011	U	0.015	U	0.02	U	0.015	U	0.01	U	0.02	U	0.63	U	0.44	U
Carbon tetrachloride	0.76	22	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.22	U
Chlorobenzene	1.1	500	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	1.1	U
Chloroethane	~	~	0.0041	U	0.0032	U	0.0034	U	8.2	U	0.0031	U	0.0022	U	0.003	U	0.0041	U	0.0031	U	0.0021	U	0.0041	U	0.12	U	0.11	U
Chloroform	0.37	350	0.0031	U	0.0024	U	0.0026	U	6.2	U	0.0023	U	0.0017	U	0.0022	U	0.003	U	0.0023	U	0.0016	U	0.0031	U	0.094	U	0.11	U
Chloromethane	~	~	0.01	U	0.0081	U	0.0086	U	1.9	J	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	0.22	U
cis-1,2-Dichloroethene	0.25	500	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.16	U
cis-1,3-Dichloropropene	~	~	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.55	U
Dibromochloromethane	~	~	0.0021	U	0.0016	U	0.0017	U	4.1	U	0.0016	U	0.0011	U	0.0015	U	0.002	U	0.0015	U	0.001	U	0.002	U	0.063	U	0.11	U
Dibromomethane	~	~	0.021	U	0.016	U	0.017	U	41	U	0.016	U	0.011	U	0.015	U	0.02	U	0.015	U	0.01	U	0.02	U	0.63	U	0.11	U
Dichlorodifluoromethane	~	~	0.021	U	0.016	U	0.017	U	41	U	0.016	U	0.011	U	0.015	U	0.02	U	0.015	U	0.01	U	0.02	U	0.63	U	0.11	U
Ethyl ether	~	~	0.01	U	0.0081	U	0.0086	U	21	U	0.0078	U	0.0056	U	0.0075	U	0.01	U	0.0077	U	0.0052	U	0.01	U	0.31	U	1.1	U

Table 4
Soil Sample Analytical Results
Remedial Investigation Report
551 Greenwich Street
New York, New York
Langan Project No. 190043701

Sample ID	NYSDEC Part 375	NYSDEC Part 375	EB-05 22-24	EB-06 0-2	EB-06 13-15	DUP01_042418	EB-06 22-24	EB-07 1-2	EB-07 14-15	EB-08 0-2	EB-08 13-15	EB-09 3-4	EB-09 14-15	EB-10 14-16
Sampling Date	Unrestricted Use SCOs	Commercial Use SCOs	4/25/2018	4/24/2018	4/24/2018	4/24/2018	4/24/2018	4/23/2018	4/23/2018	4/24/2018	4/24/2018	4/23/2018	4/23/2018	4/25/2018
Lab Sample ID			L1814580-07	L1814438-01	L1814438-02	L1814438-08	L1814438-03	L1814188-06	L1814188-07	L1814438-06	L1814438-07	L1814188-08	L1814188-09	L1814580-08
Sample Depth (feet bgs)			22 to 24	0 to 2	13 to 15	13 to 15	22 to 24	1 to 2	14 to 15	0 to 2	13 to 15	3 to 4	14 to 15	14 to 16
VOCs (mg/kg)														
1,1,1,2-Tetrachloroethane	~	~	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
1,1,1-Trichloroethane	0.68	500	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
1,1,2,2-Tetrachloroethane	~	~	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
1,1,2-Trichloroethane	~	~	0.0022 U	0.0023 U	0.42 U	0.8 U	0.0021 U	0.0019 U	0.0021 U	0.0025 U	0.002 U	0.14 U	0.0018 U	1.2 U
1,1-Dichloroethane	0.27	240	0.0022 U	0.0023 U	0.42 U	0.8 U	0.0021 U	0.0019 U	0.0021 U	0.0025 U	0.002 U	0.14 U	0.0018 U	1.2 U
1,1-Dichloroethene	0.33	500	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
1,1-Dichloropropene	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
1,2,3-Trichlorobenzene	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
1,2,3-Trichloropropane	~	~	0.015 U	0.015 U	2.8 U	5.3 U	0.014 U	0.012 U	0.014 U	0.017 U	0.014 U	0.91 U	0.012 U	7.9 U
1,2,4,5-Tetramethylbenzene	~	~	0.0014 J	0.006 U	6	9.4	0.0057 U	0.005 U	0.0055 U	0.0068 U	0.0054 U	0.36 U	0.0048 U	16
1,2,4-Trichlorobenzene	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
1,2,4-Trimethylbenzene	3.6	190	0.0073 U	0.0076 U	49	77	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.026 J	0.006 U	160
1,2-Dibromo-3-chloropropane	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
1,2-Dibromomethane	~	~	0.0058 U	0.006 U	1.1 U	2.1 U	0.0057 U	0.005 U	0.0055 U	0.0068 U	0.0054 U	0.36 U	0.0048 U	3.2 U
1,2-Dichlorobenzene	1.1	500	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
1,2-Dichloroethane	0.02	30	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
1,2-Dichloroethene, Total	~	~	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
1,2-Dichloropropane	~	~	0.0051 U	0.0053 U	0.99 U	1.8 U	0.005 U	0.0044 U	0.0048 U	0.0059 U	0.0048 U	0.32 U	0.0042 U	2.8 U
1,3,5-Trimethylbenzene	8.4	190	0.0073 U	0.0076 U	17	26	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	67
1,3-Dichlorobenzene	2.4	280	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
1,3-Dichloropropane	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
1,3-Dichloropropene, Total	~	~	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
1,4-Dichlorobenzene	1.8	130	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
1,4-Dioxane	0.1	130	0.058 U	0.06 U	11 U	21 U	0.057 U	0.05 U	0.055 U	0.068 U	0.054 U	3.6 U	0.048 U	32 U
2,2-Dichloropropane	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
2-Butanone	0.12	500	0.015 U	0.015 U	2.8 U	5.3 U	0.014 U	0.012 U	0.014 U	0.017 U	0.014 U	0.91 U	0.012 U	7.9 U
2-Hexanone	~	~	0.015 U	0.015 U	2.8 U	5.3 U	0.014 U	0.012 U	0.014 U	0.017 U	0.014 U	0.91 U	0.012 U	7.9 U
4-Methyl-2-pentanone	~	~	0.015 U	0.015 U	2.8 U	5.3 U	0.014 U	0.012 U	0.014 U	0.017 U	0.014 U	0.91 U	0.012 U	7.9 U
Acetone	0.05	500	0.016 U	0.015 U	2.8 U	5.3 U	0.0099 J	0.072	0.019	0.017 U	0.014 U	0.91 U	0.0085 J	7.9 U
Acrylonitrile	~	~	0.015 U	0.015 U	2.8 U	5.3 U	0.014 U	0.012 U	0.014 U	0.017 U	0.014 U	0.91 U	0.012 U	7.9 U
Benzene	0.06	44	0.015 U	0.0015 U	5.5	9	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	22
Bromobenzene	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
Bromochloromethane	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
Bromodichloromethane	~	~	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
Bromoform	~	~	0.0058 U	0.006 U	1.1 U	2.1 U	0.0057 U	0.005 U	0.0055 U	0.0068 U	0.0054 U	0.36 U	0.0048 U	3.2 U
Bromomethane	~	~	0.0029 U	0.003 U	0.56 U	1.1 U	0.0028 U	0.0025 U	0.0028 U	0.0034 U	0.0027 U	0.18 U	0.0024 U	1.6 U
Carbon disulfide	~	~	0.015 U	0.015 U	2.8 U	5.3 U	0.014 U	0.012 U	0.014 U	0.017 U	0.014 U	0.91 U	0.0015 J	7.9 U
Carbon tetrachloride	0.76	22	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
Chlorobenzene	1.1	500	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
Chloroethane	~	~	0.0029 U	0.003 U	0.56 U	1.1 U	0.0028 U	0.0025 U	0.0028 U	0.0034 U	0.0027 U	0.18 U	0.0024 U	1.6 U
Chloroform	0.37	350	0.0022 U	0.0023 U	0.42 U	0.8 U	0.0021 U	0.0019 U	0.0021 U	0.0025 U	0.002 U	0.14 U	0.0018 U	1.2 U
Chloromethane	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	1.3 J
cis-1,2-Dichloroethene	0.25	500	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
cis-1,3-Dichloropropene	~	~	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
Dibromochloromethane	~	~	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
Dibromomethane	~	~	0.015 U	0.015 U	2.8 U	5.3 U	0.014 U	0.012 U	0.014 U	0.017 U	0.014 U	0.91 U	0.012 U	7.9 U
Dichlorodifluoromethane	~	~	0.015 U	0.015 U	2.8 U	5.3 U	0.014 U	0.012 U	0.014 U	0.017 U	0.014 U	0.91 U	0.012 U	7.9 U
Ethyl ether	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
Ethylbenzene	1	390	0.0015 U	0.0015 U	15	25	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	64
Hexachlorobutadiene	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
Isopropylbenzene	~	~	0.0015 U	0.0015 U	1.8 U	2.8 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	12
Methyl tert butyl ether	0.93	500	0.017 U	0.003 U	0.56 U	1.1 U	0.0028 U	0.0025 U	0.0028 U	0.0034 U	0.0027 U	0.18 U	0.0024 U	1.6 U
Methylene chloride	0.05	500	0.015 U	0.015 U	2.8 U	5.3 U	0.014 U	0.012 U	0.014 U	0.017 U	0.014 U	0.91 U	0.012 U	7.9 U
Naphthalene	~	~	0.00051 J	0.0076 U	9	16	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	9.8	0.006 U	35
n-Butylbenzene	12	500	0.0015 U	0.0015 U	1.8	2.9	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	5.7
n-Propylbenzene	3.9	500	0.0015 U	0.0015 U	5.6	8.5	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	20
o-Chlorotoluene	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
o-Xylene	~	~	0.0029 U	0.003 U	30	50	0.0028 U	0.0025 U	0.0028 U	0.0034 U	0.0027 U	0.18 U	0.0024 U	120
p/m-Xylene	~	~	0.0029 U	0.003 U	68	120	0.0028 U	0.0025 U	0.0028 U	0.0034 U	0.0027 U	0.18 U	0.0024 U	360
p-Chlorotoluene	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	3.9 U
p-Diethylbenzene	~	~	0.0058 U	0.006 U	18	29	0.0057 U	0.005 U	0.0055 U	0.0068 U	0.0054 U	0.36 U	0.0048 U	56
p-Ethyltoluene	~	~	0.0058 U	0.006 U	35	54	0.0057 U	0.005 U	0.0055 U	0.0068 U	0.0054 U	0.36 U	0.0048 U	120
p-Isopropyltoluene	~	~	0.0015 U	0.0015 U	0.57	0.93	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	6
sec-Butylbenzene	11	500	0.0015 U	0.0015 U	0.64	1	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.021 J	0.0012 U	4.1
Styrene	~	~	0.0029 U	0.003 U	0.56 U	1.1 U	0.0028 U	0.0025 U	0.0028 U	0.0034 U	0.0027 U	0.18 U	0.0024 U	1.6 U
tert-Butylbenzene	5.9	500	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.0069 U	0.0085 U	0.0068 U	0.46 U	0.006 U	0.67 J
Tetrachloroethene	1.3	150	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
Toluene	0.7	500	0.00043 J	0.0023 U	19	43	0.0021 U	0.0019 U	0.0021 U	0.0025 U	0.002 U	0.14 U	0.0018 U	150
trans-1,2-Dichloroethene	0.19	500	0.0022 U	0.0023 U	0.42 U	0.8 U	0.0021 U	0.0019 U	0.0021 U	0.0025 U	0.002 U	0.14 U	0.0018 U	1.2 U
trans-1,3-Dichloropropene	~	~	0.0015 U	0.0015 U	0.28 U	0.53 U	0.0014 U	0.0012 U	0.0014 U	0.0017 U	0.0014 U	0.091 U	0.0012 U	0.79 U
trans-1,4-Dichloro-2-butene	~	~	0.0073 U	0.0076 U	1.4 U	2.6 U	0.0071 U	0.0063 U	0.006					

Table 4
Soil Sample Analytical Results
Remedial Investigation Report
551 Greenwich Street
New York, New York
Langan Project No. 190043701

Sample ID	NYSDEC Part 375	NYSDEC Part 375	EB-01_0-2	EB-01_14-16	EB-02_1-3	EB-02_14-16	EB-02_26-28	EB-03_1-2	EB-03_16-17	EB-03_23-24	EB-04_0-1	EB-04_15-16	EB-05_0-2	EB-05_11-12	EB-05_13-15
Sampling Date	Unrestricted Use SCOs	Commercial Use SCOs	4/24/2018	4/24/2018	4/25/2018	4/25/2018	4/25/2018	4/23/2018	4/23/2018	4/23/2018	4/23/2018	4/23/2018	4/25/2018	4/25/2018	4/25/2018
Lab Sample ID			L1814438-04	L1814438-05	L1814580-01	L1814580-02	L1814580-03	L1814188-01	L1814188-02	L1814188-03	L1814188-04	L1814188-05	L1814580-04	L1814580-05	L1814580-06
Sample Depth (feet bgs)			0 to 2	14 to 16	1 to 3	14 to 16	26 to 28	1 to 2	16 to 17	23 to 24	0 to 1	15 to 16	0 to 2	11 to 12	13 to 15
SVOCs (mg/kg)															
1,2,4,5-Tetrachlorobenzene	~	~	0.19 U	0.21 U	0.15 U	0.16 U	0.15 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.15 U	0.15 U	0.16 U
1,2,4-Trichlorobenzene	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
1,2-Dichlorobenzene	1.1	500	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
1,3-Dichlorobenzene	2.4	280	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
1,4-Dichlorobenzene	1.8	130	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
2,4,5-Trichlorophenol	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
2,4,6-Trichlorophenol	~	~	0.11 U	0.12 U	0.19 U	0.21 U	0.18 U	0.11 U	0.11 U	0.12 U	0.57 U	0.11 U	0.18 U	0.19 U	0.2 U
2,4-Dichlorophenol	~	~	0.17 U	0.19 U	0.12 U	0.12 U	0.11 U	0.17 U	0.16 U	0.18 U	0.85 U	0.17 U	0.11 U	0.11 U	0.12 U
2,4-Dimethylphenol	~	~	0.19 U	0.21 U	0.17 U	0.19 U	0.17 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.17 U	0.17 U	0.18 U
2,4-Dinitrophenol	~	~	0.91 U	1 U	0.19 U	0.21 U	0.18 U	0.9 U	0.88 U	0.98 U	4.5 U	0.89 U	0.18 U	0.19 U	0.2 U
2,4-Dinitrotoluene	~	~	0.19 U	0.21 U	0.92 U	0.99 U	0.88 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.89 U	0.91 U	0.96 U
2,6-Dinitrotoluene	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
2-Chloronaphthalene	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
2-Chlorophenol	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
2-Methylnaphthalene	~	~	0.11 J	0.25 U	0.19 U	0.21 U	0.18 U	0.22 U	0.22 U	0.24 U	0.22 J	0.22 U	0.18 U	0.19 U	0.2 U
2-Methylphenol	0.33	500	0.038 J	0.21 U	0.23 U	13	0.22 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.22 U	0.23 U	0.035 J
2-Nitroaniline	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
2-Nitrophenol	~	~	0.41 U	0.45 U	0.19 U	0.21 U	0.18 U	0.4 U	0.39 U	0.44 U	2 U	0.4 U	0.18 U	0.19 U	0.2 U
3,3'-Dichlorobenzidine	~	~	0.19 U	0.21 U	0.42 U	0.45 U	0.4 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.4 U	0.41 U	0.43 U
3-Methylphenol/4-Methylphenol	0.33	500	0.17 J	0.3 U	0.19 U	0.21 U	0.18 U	0.27 U	0.26 U	0.3 U	1.4 U	0.27 U	0.18 U	0.19 U	0.2 U
3-Nitroaniline	~	~	0.19 U	0.21 U	0.28 U	0.3 U	0.26 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.27 U	0.27 U	0.29 U
4,6-Dinitro-o-cresol	~	~	0.49 U	0.54 U	0.19 U	0.21 U	0.18 U	0.49 U	0.47 U	0.53 U	2.4 U	0.48 U	0.18 U	0.19 U	0.2 U
4-Bromophenyl phenyl ether	~	~	0.19 U	0.21 U	0.5 U	0.54 U	0.48 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.48 U	0.49 U	0.52 U
4-Chloroaniline	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
4-Chlorophenyl phenyl ether	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
4-Nitroaniline	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
4-Nitrophenol	~	~	0.26 U	0.29 U	0.19 U	0.21 U	0.18 U	0.26 U	0.26 U	0.29 U	1.3 U	0.26 U	0.18 U	0.19 U	0.2 U
Acenaphthene	20	500	0.19 U	0.17 U	0.27 U	0.29 U	0.26 U	0.15 U	0.14 U	0.16 U	0.5 J	0.15 U	0.26 U	0.26 U	0.28 U
Acenaphthylene	100	500	1.8	0.17 U	0.15 U	0.16 U	0.15 U	0.11 J	0.14 U	0.16 U	0.44 J	0.15 U	0.15 U	0.15 U	0.16 U
Acetophenone	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
Anthracene	100	500	1.1	0.12 U	0.12 U	0.12 U	0.11 U	0.046 J	0.11 U	0.12 U	1.2	0.11 U	0.11 U	0.11 U	0.12 U
Benzol(a)anthracene	1	5.6	3.2	0.12 U	0.025 J	0.12 U	0.11 U	0.46	0.11 U	0.12 U	2.3	0.11 U	0.11 U	0.11 U	0.12 U
Benzol(a)pyrene	1	1	3.2	0.17 U	0.15 U	0.16 U	0.15 U	0.5	0.14 U	0.16 U	2	0.15 U	0.15 U	0.15 U	0.16 U
Benzol(b)fluoranthene	1	5.6	3.8	0.12 U	0.034 J	0.12 U	0.11 U	0.66	0.11 U	0.12 U	2.4	0.11 U	0.11 U	0.11 U	0.12 U
Benzol(ghi)perylene	100	500	2.3	0.17 U	0.15 U	0.16 U	0.15 U	0.27	0.14 U	0.16 U	1.2	0.15 U	0.15 U	0.15 U	0.16 U
Benzol(k)fluoranthene	0.8	56	1.6	0.12 U	0.12 U	0.12 U	0.11 U	0.2	0.11 U	0.12 U	0.84	0.11 U	0.11 U	0.11 U	0.12 U
Benzoic Acid	~	~	0.62 U	0.68 U	0.62 U	0.67 U	0.6 U	0.61 U	0.59 U	0.66 U	3.1 U	0.6 U	0.6 U	0.61 U	0.64 U
Benzyl Alcohol	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
Biphenyl	~	~	0.43 U	0.48 U	0.44 U	0.16 J	0.42 U	0.43 U	0.42 U	0.47 U	2.2 U	0.42 U	0.42 U	0.43 U	0.45 U
Bis(2-chloroethoxy)methane	~	~	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.2 U	0.2 U	0.22 U	1 U	0.2 U	0.2 U	0.2 U	0.22 U
Bis(2-chloroethyl)ether	~	~	0.17 U	0.19 U	0.17 U	0.19 U	0.17 U	0.17 U	0.16 U	0.18 U	0.85 U	0.17 U	0.17 U	0.17 U	0.18 U
Bis(2-chloroisopropyl)ether	~	~	0.23 U	0.25 U	0.23 U	0.25 U	0.22 U	0.22 U	0.22 U	0.24 U	1.1 U	0.22 U	0.22 U	0.23 U	0.24 U
Bis(2-ethylhexyl)phthalate	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
Butyl benzyl phthalate	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
Carbazole	~	~	0.47 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.44 J	0.18 U	0.18 U	0.19 U	0.2 U
Chrysene	1	56	3	0.12 U	0.023 J	0.12 U	0.11 U	0.41	0.11 U	0.12 U	2	0.11 U	0.11 U	0.11 U	0.12 U
Dibenzo(a,h)anthracene	0.33	0.56	0.53	0.12 U	0.12 U	0.12 U	0.11 U	0.068 J	0.11 U	0.12 U	0.32 J	0.11 U	0.11 U	0.11 U	0.12 U
Dibenzofuran	7	350	0.14 J	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.37 J	0.18 U	0.18 U	0.19 U	0.2 U
Diethyl phthalate	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.018 J	0.19 U	0.2 U
Dimethyl phthalate	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
Di-n-butylphthalate	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
Di-n-octylphthalate	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
Fluoranthene	100	500	5	0.12 U	0.04 J	0.12 U	0.11 U	0.74	0.11 U	0.12 U	5	0.11 U	0.11 U	0.11 U	0.12 U
Fluorene	30	500	0.27	0.21 U	0.19 U	0.02 J	0.18 U	0.19 U	0.18 U	0.2 U	0.48 J	0.18 U	0.18 U	0.19 U	0.2 U
Hexachlorobenzene	0.33	6	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.57 U	0.11 U	0.11 U	0.11 U	0.12 U
Hexachlorobutadiene	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
Hexachlorocyclopentadiene	~	~	0.54 U	0.6 U	0.55 U	0.59 U	0.53 U	0.54 U	0.52 U	0.59 U	2.7 U	0.53 U	0.53 U	0.54 U	0.57 U
Hexachloroethane	~	~	0.15 U	0.17 U	0.15 U	0.16 U	0.15 U	0.15 U	0.14 U	0.16 U	0.76 U	0.15 U	0.15 U	0.15 U	0.16 U
Indeno(1,2,3-cd)pyrene	0.5	5.6	2.5	0.17 U	0.15 U	0.16 U	0.15 U	0.32	0.14 U	0.16 U	1.4	0.15 U	0.15 U	0.15 U	0.16 U
Isophorone	~	~	0.17 U	0.19 U	0.17 U	0.19 U	0.17 U	0.17 U	0.16 U	0.18 U	0.85 U	0.17 U	0.17 U	0.17 U	0.18 U
Naphthalene	12	500	0.15 J	0.21 U	0.19 U	15	0.18 U	0.036 J	0.18 U	0.2 U	0.48 J	0.18 U	0.18 U	0.19 U	0.047 J
NDPA/DPA	~	~	0.15 U	0.17 U	0.15 U	0.16 U	0.15 U	0.15 U	0.14 U	0.16 U	0.76 U	0.15 U	0.15 U	0.15 U	0.16 U
Nitrobenzene	~	~	0.17 U	0.19 U	0.17 U	0.19 U	0.17 U	0.17 U	0.16 U	0.18 U	0.85 U	0.17 U	0.17 U	0.17 U	0.18 U
n-Nitrosodi-n-propylamine	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
p-Chloro-m-cresol	~	~	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
Pentachlorophenol	0.8	6.7	0.15 U	0.17 U	0.15 U	0.16 U	0.15 U	0.15 U	0.14 U	0.16 U	0.76 U	0.15 U	0.15 U	0.15 U	0.16 U
Phenanthrene	100	500	3.1	0.12 U	0.026 J	0.028 J	0.11 U	0.11 U	0.11 U	0.12 U	4.3	0.11 U	0.11 U	0.11 U	0.12 U
Phenol	0.33	500	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.18 U	0.2 U	0.94 U	0.18 U	0.18 U	0.19 U	0.2 U
Pyrene	100	500	4.5	0.12 U	0.035 J	0.12 U	0.11 U	0.72	0.11 U	0.12 U	4.2	0.11 U	0.11 U	0.11 U	0.12 U

Notes:

- Soil sample analytical results are compared to the Title 6 NYCRR Part 375 Unrestricted Use and Commercial Use Soil Clean Objectives (SCOs).
- Results above NYSDEC Part 375 Unrestricted Use SCOs are bolded
- Results above NYSDEC Part 375 Commercial Use SCOs are shaded and bolded.
- Reporting Limits (RL) exceeding the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCOs are italicized.
- DUP01_042418 is a duplicate sample of EB-06_13-15
- mg/kg = milligrams per kilogram
- VOC = Volatile organic compound
- SVOC - Semivolatile organic compound
- PCBs = Polychlorinated biphenyls
- ~ = Criterion does not exist
- bgs = below grade surface

Qualifiers:

- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
- J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
- P = The RPD between the results for the two columns exceeds the method-specified criteria.
- I = The lower value for the two columns has been reported due to obvious interference.
- E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Table 4
Soil Sample Analytical Results
Remedial Investigation Report
551 Greenwich Street
New York, New York
Langan Project No. 190043701

Sample ID	NYSDEC Part 375	NYSDEC Part 375	EB-05 22-24	EB-06 0-2	EB-06 13-15	DUP01_042418	EB-06 22-24	EB-07 1-2	EB-07 14-15	EB-08 0-2	EB-08 13-15	EB-09 3-4	EB-09 14-15	EB-10 14-16
Sampling Date	Unrestricted Use SCOs	Commercial Use SCOs	4/25/2018	4/24/2018	4/24/2018	4/24/2018	4/24/2018	4/23/2018	4/23/2018	4/24/2018	4/24/2018	4/23/2018	4/23/2018	4/25/2018
Lab Sample ID			L1814580-07	L1814438-01	L1814438-02	L1814438-08	L1814438-03	L1814188-06	L1814188-07	L1814438-06	L1814438-07	L1814188-08	L1814188-09	L1814580-08
Sample Depth (feet bgs)			22 to 24	0 to 2	13 to 15	13 to 15	22 to 24	1 to 2	14 to 15	0 to 2	13 to 15	3 to 4	14 to 15	14 to 16
SVOCs (mg/kg)														
1,2,4,5-Tetrachlorobenzene	~	~	0.16 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.17 U
1,2,4-Trichlorobenzene	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
1,2-Dichlorobenzene	1.1	500	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
1,3-Dichlorobenzene	2.4	280	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
1,4-Dichlorobenzene	1.8	130	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
2,4,5-Trichlorophenol	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
2,4,6-Trichlorophenol	~	~	0.2 U	0.11 U	0.12 U	0.13 U	0.11 U	0.22 U	0.14 U	0.11 U	0.13 U	0.57 U	0.12 U	0.21 U
2,4-Dichlorophenol	~	~	0.12 U	0.17 U	0.18 U	0.19 U	0.16 U	0.33 U	0.21 U	0.17 U	0.19 U	0.85 U	0.18 U	0.13 U
2,4-Dimethylphenol	~	~	0.18 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.19 U
2,4-Dinitrophenol	~	~	0.2 U	0.9 U	0.99 U	1 U	0.88 U	1.8 U	1.1 U	0.91 U	1 U	4.5 U	0.98 U	0.21 U
2,4-Dinitrotoluene	~	~	0.98 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	1 U
2,6-Dinitrotoluene	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
2-Chloronaphthalene	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
2-Chlorophenol	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
2-Methylnaphthalene	~	~	0.2 U	0.22 U	0.8 U	4.4 U	0.22 U	0.44 U	0.28 U	0.23 U	0.25 U	4.6 U	0.24 U	0.21 U
2-Methylphenol	0.33	500	0.24 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.18 J	0.2 U	2.9 U
2-Nitroaniline	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
2-Nitrophenol	~	~	0.2 U	0.4 U	0.44 U	0.45 U	0.4 U	0.8 U	0.5 U	0.41 U	0.46 U	2 U	0.44 U	0.21 U
3,3'-Dichlorobenzidine	~	~	0.44 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.46 U
3-Methylphenol/4-Methylphenol	0.33	500	0.2 U	0.27 U	0.3 U	0.072 J	0.26 U	0.53 U	0.33 U	0.27 U	0.3 U	0.52 J	0.29 U	0.21 U
3-Nitroaniline	~	~	0.29 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.3 U
4,6-Dinitro-o-cresol	~	~	0.2 U	0.49 U	0.54 U	0.55 U	0.48 U	0.96 U	0.6 U	0.49 U	0.55 U	2.5 U	0.53 U	0.21 U
4-Bromophenyl phenyl ether	~	~	0.53 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.55 U
4-Chloroaniline	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
4-Chlorophenyl phenyl ether	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
4-Nitroaniline	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
4-Nitrophenol	~	~	0.2 U	0.26 U	0.29 U	0.29 U	0.26 U	0.52 U	0.32 U	0.26 U	0.3 U	1.3 U	0.29 U	0.21 U
Acenaphthene	20	500	0.28 U	0.15 U	0.16 U	0.17 U	0.15 U	0.3 U	0.18 U	0.15 U	0.17 U	10 U	0.16 U	0.3 U
Acenaphthylene	100	500	0.16 U	0.15 U	0.16 U	0.17 U	0.15 U	0.3 U	0.18 U	0.15 U	0.17 U	6 U	0.16 U	0.17 U
Acetophenone	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
Anthracene	100	500	0.12 U	0.041 J	0.12 U	0.13 U	0.11 U	0.22 U	0.14 U	0.038 J	0.13 U	22 U	0.12 U	0.13 U
Benzo(a)anthracene	1	5.6	0.12 U	0.14 U	0.12 U	0.13 U	0.11 U	0.14 J	0.052 J	0.12 U	0.13 U	35 U	0.12 U	0.13 U
Benzo(a)pyrene	1	1	0.16 U	0.14 J	0.16 U	0.17 U	0.15 U	0.15 J	0.18 U	0.12 J	0.17 U	32 U	0.16 U	0.17 U
Benzo(b)fluoranthene	1	5.6	0.12 U	0.18 U	0.12 U	0.13 U	0.11 U	0.19 J	0.054 J	0.16 U	0.13 U	38 U	0.12 U	0.13 U
Benzo(ghi)perylene	100	500	0.16 U	0.09 J	0.16 U	0.17 U	0.15 U	0.12 J	0.18 U	0.073 J	0.17 U	17 U	0.16 U	0.17 U
Benzo(k)fluoranthene	0.8	56	0.12 U	0.045 J	0.12 U	0.13 U	0.11 U	0.22 U	0.14 U	0.043 J	0.13 U	11 U	0.12 U	0.13 U
Benzoic Acid	~	~	0.66 U	0.61 U	0.67 U	0.68 U	0.6 U	1.2 U	0.74 U	0.61 U	0.68 U	3.1 U	0.66 U	0.69 U
Benzyl Alcohol	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
Biphenyl	~	~	0.46 U	0.43 U	0.47 U	0.48 U	0.42 U	0.84 U	0.52 U	0.43 U	0.48 U	2 J	0.47 U	0.48 U
Bis(2-chloroethoxy)methane	~	~	0.22 U	0.2 U	0.22 U	0.23 U	0.2 U	0.4 U	0.25 U	0.2 U	0.23 U	1 U	0.22 U	0.23 U
Bis(2-chloroethyl)ether	~	~	0.18 U	0.17 U	0.18 U	0.19 U	0.16 U	0.33 U	0.21 U	0.17 U	0.19 U	0.85 U	0.18 U	0.19 U
Bis(2-chloroisopropyl)ether	~	~	0.24 U	0.22 U	0.25 U	0.25 U	0.22 U	0.44 U	0.28 U	0.23 U	0.25 U	1.1 U	0.24 U	0.25 U
Bis(2-ethylhexyl)phthalate	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
Butyl benzyl phthalate	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
Carbazole	~	~	0.2 U	0.021 J	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.022 J	0.21 U	7.6 U	0.2 U	0.21 U
Chrysene	1	56	0.12 U	0.12 U	0.12 U	0.13 U	0.11 U	0.16 J	0.04 J	0.12 U	0.13 U	28 U	0.12 U	0.13 U
Dibenz(a,h)anthracene	0.33	0.56	0.12 U	0.11 U	0.12 U	0.13 U	0.11 U	0.22 U	0.14 U	0.11 U	0.13 U	4.2 U	0.12 U	0.13 U
Dibenzofuran	7	350	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	7.8 U	0.2 U	0.21 U
Diethyl phthalate	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
Dimethyl phthalate	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
Di-n-butylphthalate	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
Di-n-octylphthalate	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
Fluoranthene	100	500	0.12 U	0.31 U	0.12 U	0.13 U	0.11 U	0.26 U	0.12 J	0.22 U	0.13 U	82 U	0.12 U	0.13 U
Fluorene	30	500	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	10 U	0.2 U	0.21 U
Hexachlorobenzene	0.33	6	0.12 U	0.11 U	0.12 U	0.13 U	0.11 U	0.22 U	0.14 U	0.11 U	0.13 U	0.57 U	0.12 U	0.13 U
Hexachlorobutadiene	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
Hexachlorocyclopentadiene	~	~	0.58 U	0.54 U	0.59 U	0.6 U	0.52 U	1 U	0.66 U	0.54 U	0.6 U	2.7 U	0.58 U	0.6 U
Hexachloroethane	~	~	0.16 U	0.15 U	0.16 U	0.17 U	0.15 U	0.3 U	0.18 U	0.15 U	0.17 U	0.76 U	0.16 U	0.17 U
Indeno(1,2,3-cd)pyrene	0.5	5.6	0.16 U	0.095 J	0.16 U	0.17 U	0.15 U	0.11 J	0.18 U	0.12 J	0.17 U	19 U	0.16 U	0.17 U
Isophorone	~	~	0.18 U	0.17 U	0.18 U	0.19 U	0.16 U	0.33 U	0.21 U	0.17 U	0.19 U	0.85 U	0.18 U	0.19 U
Naphthalene	12	500	0.2 U	0.19 U	1 U	5.2 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	9.2 U	0.2 U	3.3 U
NDPA/DPA	~	~	0.16 U	0.15 U	0.16 U	0.17 U	0.15 U	0.3 U	0.18 U	0.15 U	0.17 U	0.76 U	0.16 U	0.17 U
Nitrobenzene	~	~	0.18 U	0.17 U	0.18 U	0.19 U	0.16 U	0.33 U	0.21 U	0.17 U	0.19 U	0.85 U	0.18 U	0.19 U
n-Nitrosodi-n-propylamine	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
p-Chloro-m-cresol	~	~	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.95 U	0.2 U	0.21 U
Pentachlorophenol	0.8	6.7	0.16 U	0.15 U	0.16 U	0.17 U	0.15 U	0.3 U	0.18 U	0.15 U	0.17 U	0.76 U	0.16 U	0.17 U
Phenanthrene	100	500	0.12 U	0.18 U	0.12 U	0.13 U	0.11 U	0.16 J	0.088 J	0.18 U	0.13 U	84 U	0.12 U	0.13 U
Phenol	0.33	500	0.2 U	0.19 U	0.21 U	0.21 U	0.18 U	0.37 U	0.23 U	0.19 U	0.21 U	0.29 J	0.2 U	0.21 U
Pyrene	100	500	0.12 U	0.27 U	0.12 U	0.13 U	0.11 U	0.25 U	0.1 J	0.2 U	0.13 U	70 U	0.12 U	0.13 U

Notes:
1. Soil sample analytical results are compared to the Title 6 NYCRR Part 375 Unrestricted Use and Commercial Use Soil Clean Objectives (SCOs).
2. Results above NYSDEC Part 375 Unrestricted Use SCOs are bolded
3. Results above NYSDEC Part 375 Commercial Use SCOs are shaded and bolded.
4. Reporting Limits (RL) exceeding the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCOs are italicized.
5. DUP01_042418 is a duplicate sample of EB-06_13-15
6. mg/kg = milligrams per kilogram
7. VOC = Volatile organic compound
8. SVOC = Semivolatile organic compound
9. PCBs = Polychlorinated biphenyls
10. ~ = Criterion does not exist
11. bgs = below grade surface

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated
P = The RPD between the results for the two columns exceeds the method-specified criteria.
I = The lower value for the two columns has been reported due to obvious interference.
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Table 4
Soil Sample Analytical Results
Remedial Investigation Report
551 Greenwich Street
New York, New York
Langan Project No. 190043701

Sample ID	NYSDEC Part 375	NYSDEC Part 375	EB-01_0-2	EB-01_14-16	EB-02_1-3	EB-02_14-16	EB-02_26-28	EB-03_1-2	EB-03_16-17	EB-03_23-24	EB-04_0-1	EB-04_15-16	EB-05_0-2	EB-05_11-12	EB-05_13-15
Sampling Date	Unrestricted Use SCOs	Commercial Use SCOs	4/24/2018	4/23/2018	4/25/2018	4/25/2018	4/25/2018	4/23/2018	4/23/2018	4/23/2018	4/23/2018	4/23/2018	4/25/2018	4/25/2018	4/25/2018
Lab Sample ID			L1814438-04	L1814438-05	L1814580-01	L1814580-02	L1814580-03	L1814188-01	L1814188-02	L1814188-03	L1814188-04	L1814188-05	L1814580-04	L1814580-05	L1814580-06
Sample Depth (feet bgs)			0 to 2	14 to 16	1 to 3	14 to 16	26 to 28	1 to 2	16 to 17	23 to 24	0 to 1	15 to 16	0 to 2	11 to 12	13 to 15
Pesticides (mg/kg)															
4,4'-DDD	0.0033	92	0.00182 U	0.00198 U	0.00186 U	0.0019 U	0.0017 U	0.00176 U	0.00171 U	0.00198 U	0.00179 U	0.00174 U	0.00175 U	0.0018 U	0.00184 U
4,4'-DDE	0.0033	62	0.00182 U	0.00198 U	0.00186 U	0.0019 U	0.0017 U	0.00176 U	0.00171 U	0.00198 U	0.00121 JPI	0.00174 U	0.00171 J	0.0018 U	0.00184 U
4,4'-DDT	0.0033	47	0.00342 U	0.00371 U	0.00349 U	0.00356 U	0.0032 U	0.00331 U	0.00321 U	0.00371 U	0.00687	0.00326 U	0.00327 U	0.00337 U	0.00345 U
Aldrin	0.005	0.68	0.00182 U	0.00198 U	0.00186 U	0.0019 U	0.0017 U	0.00176 U	0.00171 U	0.00198 U	0.00179 U	0.00174 U	0.00175 U	0.0018 U	0.00184 U
Alpha-BHC	0.02	3.4	0.00076 U	0.000824 U	0.000775 U	0.00079 U	0.00071 U	0.000735 U	0.000714 U	0.000824 U	0.000745 U	0.000723 U	0.000728 U	0.000748 U	0.000767 U
Beta-BHC	0.036	3	0.00182 U	0.00198 U	0.00186 U	0.0019 U	0.0017 U	0.00176 U	0.00171 U	0.00198 U	0.00179 U	0.00174 U	0.00175 U	0.0018 U	0.00184 U
Chlordane	~	~	0.0148 U	0.0161 U	0.0151 U	0.0154 U	0.0138 U	0.0143 U	0.0139 U	0.0161 U	0.0145 U	0.0141 U	0.0142 U	0.0146 U	0.015 U
cis-Chlordane	0.094	24	0.00228 U	0.00247 U	0.00232 U	0.00237 U	0.00213 U	0.0022 U	0.00214 U	0.00247 U	0.00158 J	0.00217 U	0.00218 U	0.00224 U	0.0023 U
Delta-BHC	0.04	500	0.00182 U	0.00198 U	0.00186 U	0.0019 U	0.0017 U	0.00176 U	0.00171 U	0.00198 U	0.00179 U	0.00174 U	0.00175 U	0.0018 U	0.00184 U
Dieldrin	0.005	1.4	0.00114 U	0.00124 U	0.00116 U	0.00118 U	0.00106 U	0.0011 U	0.00107 U	0.00124 U	0.00112 U	0.00108 U	0.00109 U	0.00112 U	0.00115 U
Endosulfan I	2.4	200	0.00182 U	0.00198 U	0.00186 U	0.0019 U	0.0017 U	0.00176 U	0.00171 U	0.00198 U	0.00179 U	0.00174 U	0.00175 U	0.0018 U	0.00184 U
Endosulfan II	2.4	200	0.000801 JPI	0.00198 U	0.00186 U	0.0019 U	0.0017 U	0.00176 U	0.00171 U	0.00198 U	0.00179 U	0.00174 U	0.00175 U	0.0018 U	0.00184 U
Endosulfan sulfate	2.4	200	0.00076 U	0.000824 U	0.000775 U	0.00079 U	0.00071 U	0.000735 U	0.000714 U	0.000824 U	0.000745 U	0.000723 U	0.000728 U	0.000748 U	0.000767 U
Endrin	0.014	89	0.0027 P	0.000824 U	0.000775 U	0.00079 U	0.00071 U	0.000735 U	0.000714 U	0.000824 U	0.000745 U	0.000723 U	0.000728 U	0.000748 U	0.000767 U
Endrin aldehyde	~	~	0.00228 U	0.00247 U	0.00232 U	0.00237 U	0.00213 U	0.0022 U	0.00214 U	0.00247 U	0.00223 U	0.00217 U	0.00218 U	0.00224 U	0.0023 U
Endrin ketone	~	~	0.00182 U	0.00198 U	0.00186 U	0.0019 U	0.0017 U	0.00176 U	0.00171 U	0.00198 U	0.00179 U	0.00174 U	0.00175 U	0.0018 U	0.00184 U
Heptachlor	0.042	15	0.000911 U	0.000989 U	0.00093 U	0.000948 U	0.000852 U	0.000882 U	0.000857 U	0.000988 U	0.000894 U	0.000868 U	0.000873 U	0.000898 U	0.00092 U
Heptachlor epoxide	~	~	0.00342 U	0.00349 U	0.00349 U	0.00356 U	0.0032 U	0.00331 U	0.00321 U	0.00371 U	0.00335 U	0.00326 U	0.00327 U	0.00337 U	0.00345 U
Lindane	0.1	9.2	0.00076 U	0.000824 U	0.000775 U	0.00079 U	0.00071 U	0.000735 U	0.000714 U	0.000824 U	0.000745 U	0.000723 U	0.000728 U	0.000748 U	0.000767 U
Methoxychlor	~	~	0.00342 U	0.00371 U	0.00349 U	0.00356 U	0.0032 U	0.00331 U	0.00321 U	0.00371 U	0.00335 U	0.00326 U	0.00327 U	0.00337 U	0.00345 U
Toxaphene	~	~	0.0342 U	0.0371 U	0.0349 U	0.0356 U	0.032 U	0.0331 U	0.0321 U	0.0371 U	0.0335 U	0.0326 U	0.0327 U	0.0337 U	0.0345 U
trans-Chlordane	~	~	0.00228 U	0.00247 U	0.00232 U	0.00237 U	0.00213 U	0.0022 U	0.00214 U	0.00247 U	0.000837 J	0.00217 U	0.00218 U	0.00224 U	0.0023 U
PCBs (mg/kg)															
Aroclor 1016	0.1	1	0.0371 U	0.0423 U	0.0372 U	0.0394 U	0.036 U	0.0366 U	0.035 U	0.0395 U	0.0361 U	0.0372 U	0.0374 U	0.0371 U	0.0384 U
Aroclor 1221	0.1	1	0.0371 U	0.0423 U	0.0372 U	0.0394 U	0.036 U	0.0366 U	0.035 U	0.0395 U	0.0361 U	0.0372 U	0.0374 U	0.0371 U	0.0384 U
Aroclor 1232	0.1	1	0.0371 U	0.0423 U	0.0372 U	0.0394 U	0.036 U	0.0366 U	0.035 U	0.0395 U	0.0361 U	0.0372 U	0.0374 U	0.0371 U	0.0384 U
Aroclor 1242	0.1	1	0.0371 U	0.0423 U	0.0372 U	0.0394 U	0.036 U	0.0366 U	0.035 U	0.0395 U	0.0361 U	0.0372 U	0.0374 U	0.0371 U	0.0384 U
Aroclor 1248	0.1	1	0.0371 U	0.0423 U	0.0372 U	0.0394 U	0.036 U	0.0366 U	0.035 U	0.0395 U	0.0361 U	0.0372 U	0.0374 U	0.0371 U	0.0384 U
Aroclor 1254	0.1	1	0.0371 U	0.0423 U	0.0372 U	0.0394 U	0.036 U	0.0366 U	0.035 U	0.0395 U	0.028 J	0.0372 U	0.0374 U	0.0371 U	0.0384 U
Aroclor 1260	0.1	1	0.0371 U	0.0423 U	0.0372 U	0.0394 U	0.036 U	0.0223 J	0.035 U	0.0395 U	0.0252 J	0.0372 U	0.00464 J	0.0371 U	0.0384 U
Aroclor 1262	0.1	1	0.0371 U	0.0423 U	0.0372 U	0.0394 U	0.036 U	0.0366 U	0.035 U	0.0395 U	0.0361 U	0.0372 U	0.0374 U	0.0371 U	0.0384 U
Aroclor 1268	0.1	1	0.0371 U	0.0423 U	0.0372 U	0.0394 U	0.036 U	0.0366 U	0.035 U	0.0395 U	0.0361 U	0.0372 U	0.0374 U	0.0371 U	0.0384 U
PCBs, Total	0.1	1	0.0371 U	0.0423 U	0.0372 U	0.0394 U	0.036 U	0.0223 J	0.035 U	0.0395 U	0.0532 J	0.0372 U	0.00464 J	0.0371 U	0.0384 U
Total Metals (mg/kg)															
Aluminum, Total	~	~	4760	10400	4720	8860	2850	6800	5740	3440	6780	5830	7760	3390	7530
Antimony, Total	~	~	4.54 U	5.05 U	4.81 U	4.55 U	4.31 U	4.5 U	4.31 U	4.92 U	4.39 U	4.27 U	4.58 U	4.45 U	4.6 U
Arsenic, Total	13	16	3.48	1.95	4.59	2.81	0.664 J	6.05	2.42	0.875 J	4.13	2.44	4.28 U	1.04	2.24
Barium, Total	350	400	450	31.1	162	18	21.3	69.1	14.3	11	776	12.9	37.3	31.9	12.2
Beryllium, Total	7.2	590	0.209 J	0.546	0.2 J	0.433 J	0.164 J	0.342 J	0.172 J	0.108 J	0.237 J	0.273 J	0.302 J	0.205 J	0.221 J
Cadmium, Total	2.5	9.3	0.254 J	0.101 J	0.318 J	0.962 U	0.172 J	0.9 U	0.862 U	0.983 U	0.114 J	0.853 U	0.916 U	0.89 U	0.921 U
Calcium, Total	~	~	40000	744	29800	769	425	22000	1240	331	66100	574	24600	2220	712
Chromium, Total	~	~	12.2	11.2	10.8	11.1	12.3	9.07	6.57	14.2	11	6.51	9.02	6.51	9.6
Cobalt, Total	~	~	3.63	3.15	3.78	3.44	3.88	5.7	4.04	2.08	4.36	5.22	1.81 J	3.31	4.14
Copper, Total	50	270	10.7	7.04	30.2	8.43	11.1	44.8	9.23	5.19	33.3	13.1	5.4	7.75	13.2
Iron, Total	~	~	7850	9260	9860	10500	9520	15300	10200	4150	10000	8210	5050	6370	10900
Lead, Total	63	1000	541	6.02	485	14.4	2.63 J	200	8.68	2.07 J	381	4.14 J	10.4	16.3	5.9
Magnesium, Total	~	~	1700	2080	1560	2120	1270	2550	1980	1170	4390	2090	2630	1400	2620
Manganese, Total	1600	10000	205	73.6	184	119	148	334	71	27.3	213	56.2	184	183	81.8
Mercury, Total	0.18	2.8	0.344	0.081 U	1.21	0.028 J	0.07 U	0.435	0.071 U	0.079 U	0.174	0.072 U	0.063 J	0.071 J	0.017 J
Nickel, Total	30	310	11.6	12.3	11.4	11.2	7.1	13.7	9.94	5.5	19	11.4	4.13	12.5	11
Potassium, Total	~	~	982	780	996	520	434	967	396	310	936	447	579	525	426
Selenium, Total	3.9	1500	0.345 J	2.02 U	1.32 J	0.654 J	0.259 J	0.315 J	1.72 U	1.97 U	1.76 U	1.71 U	1.83 U	1.78 U	1.84 U
Silver, Total	2	1500	0.907 U	1.01 U	0.91 U	0.962 U	0.862 U	0.9 U	0.862 U	0.983 U	0.878 U	0.853 U	0.916 U	0.89 U	0.921 U
Sodium, Total	~	~	172 J	142 J	556	74.3 J	95.8 J	275	99 J	122 J	503	59.6 J	1200	163 J	101 J
Thallium, Total	~	~	1.81 U	2.02 U	1.82 U	1.92 U	1.72 U	1.8 U	1.72 U	1.97 U	1.76 U	1.71 U	1.83 U	1.78 U	1.84 U
Vanadium, Total	~	~	14.6	11.4	14.4	14.2	10.1	17.8	11.9	6.27	16.4	16.3	16	9.84	13.2
Zinc, Total	109	10000	253	28.5	224	28.8	11.5	63.5	27.6	11.6	393	17.9	9.87	10.9	32.5
General Chemistry															
Solids, Total	~	~	86.5	77.4	85.1	79.7	89.1	86.2	90	79.4	87.6	88.9	87.1	86.9	83

Notes:

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2. Results above NYSDEC Part 375 Unrestricted Use SCOs are bolded
3. Results above NYSDEC Part 375 Commercial Use SCOs are shaded and bolded.
4. Reporting Limits (RL) exceeding the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCOs are italicized.
5. DUP01_042418 is a duplicate sample of EB-06_13-15
6. mg/kg = milligrams per kilogram
7. VOC = Volatile organic compound
8. SVOC = Semivolatile organic compound
9. PCBs = Polychlorinated biphenyls
10. ~ = Criterion does not exist
11. bgs = below grade surface

Qualifiers:

- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
- J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
- P = The RPD between the results for the two columns exceeds the method-specified criteria.
- I = The lower value for the two columns has been reported due to obvious interference.
- E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Table 4
Soil Sample Analytical Results
Remedial Investigation Report
551 Greenwich Street
New York, New York
Langan Project No. 190043701

Sample ID	NYSDEC Part 375	NYSDEC Part 375	EB-05 22-24	EB-06 0-2	EB-06 13-15	DUP01_042418	EB-06 22-24	EB-07 1-2	EB-07 14-15	EB-08 0-2	EB-08 13-15	EB-09 3-4	EB-09 14-15	EB-10 14-16
Sampling Date	Unrestricted Use SCOs	Commercial Use SCOs	4/25/2018	4/24/2018	4/24/2018	4/24/2018	4/24/2018	4/23/2018	4/23/2018	4/24/2018	4/24/2018	4/23/2018	4/23/2018	4/25/2018
Lab Sample ID			L1814580-07	L1814438-01	L1814438-02	L1814438-08	L1814438-03	L1814188-06	L1814188-07	L1814438-06	L1814438-07	L1814188-08	L1814188-09	L1814580-08
Sample Depth (feet bgs)			22 to 24	0 to 2	13 to 15	13 to 15	22 to 24	1 to 2	14 to 15	0 to 2	13 to 15	3 to 4	14 to 15	14 to 16
Pesticides (mg/kg)														
4,4'-DDD	0.0033	92	0.00187 U	0.00179 U	0.00196 U	0.00196 U	0.00166 U	0.0018 U	0.00217 U	0.00182 U	0.00198 U	0.00177 U	0.002 U	0.00197 U
4,4'-DDE	0.0033	62	0.00187 U	0.00179 U	0.00196 U	0.00196 U	0.00166 U	0.00142 J	0.00217 U	0.00182 U	0.00198 U	0.00898	0.002 U	0.00197 U
4,4'-DDT	0.0033	47	0.00351 U	0.00336 U	0.00367 U	0.00368 U	0.00311 U	0.00448	0.00407 U	0.00341 U	0.00371 U	0.0154 PI	0.00374 U	0.0037 U
Aldrin	0.005	0.68	0.00187 U	0.00179 U	0.00196 U	0.00196 U	0.00166 U	0.0018 U	0.00217 U	0.00182 U	0.00198 U	0.00177 U	0.002 U	0.00197 U
Alpha-BHC	0.02	3.4	0.000781 U	0.000747 U	0.000816 U	0.000818 U	0.000692 U	0.000752 U	0.000905 U	0.000757 U	0.000824 U	0.000738 U	0.000832 U	0.000822 U
Beta-BHC	0.036	3	0.00187 U	0.00179 U	0.00196 U	0.00196 U	0.00166 U	0.0018 U	0.00217 U	0.00182 U	0.00198 U	0.00177 U	0.002 U	0.00197 U
Chlordane	~	~	0.0152 U	0.0146 U	0.0159 U	0.0159 U	0.0135 U	0.0169 PI	0.0176 U	0.0148 U	0.0161 U	0.0144 U	0.0162 U	0.016 U
cis-Chlordane	0.094	24	0.00234 U	0.00224 U	0.00245 U	0.00245 U	0.00208 U	0.00168 JPI	0.00271 U	0.00227 U	0.00247 U	0.00221 U	0.00249 U	0.00247 U
Delta-BHC	0.04	500	0.00187 U	0.00179 U	0.00196 U	0.00196 U	0.00166 U	0.0018 U	0.00217 U	0.00182 U	0.00198 U	0.00177 U	0.002 U	0.00197 U
Dieldrin	0.005	1.4	0.00117 U	0.00112 U	0.00122 U	0.00123 U	0.00104 U	0.00184 P	0.00136 U	0.00114 U	0.00124 U	0.00111 U	0.00125 U	0.00123 U
Endosulfan I	2.4	200	0.00187 U	0.00179 U	0.00196 U	0.00196 U	0.00166 U	0.0018 U	0.00217 U	0.00182 U	0.00198 U	0.00177 U	0.002 U	0.00197 U
Endosulfan II	2.4	200	0.00187 U	0.00179 U	0.00196 U	0.00196 U	0.00166 U	0.0018 U	0.00217 U	0.00182 U	0.00198 U	0.00825 PI	0.002 U	0.00197 U
Endosulfan sulfate	2.4	200	0.000781 U	0.000747 U	0.000816 U	0.000818 U	0.000692 U	0.000752 U	0.000905 U	0.000757 U	0.000824 U	0.000738 U	0.000832 U	0.000822 U
Endrin	0.014	89	0.000781 U	0.000747 U	0.000816 U	0.000818 U	0.000692 U	0.000752 U	0.000905 U	0.000757 U	0.000824 U	0.000738 U	0.000832 U	0.000822 U
Endrin aldehyde	~	~	0.00234 U	0.00224 U	0.00245 U	0.00245 U	0.00208 U	0.00226 U	0.00271 U	0.00227 U	0.00247 U	0.00221 U	0.00249 U	0.00247 U
Endrin ketone	~	~	0.00187 U	0.00179 U	0.00196 U	0.00196 U	0.00166 U	0.0018 U	0.00217 U	0.00182 U	0.00198 U	0.00177 U	0.002 U	0.00197 U
Heptachlor	0.042	15	0.000937 U	0.000896 U	0.000979 U	0.000981 U	0.00083 U	0.000902 U	0.00108 U	0.000909 U	0.000989 U	0.000885 U	0.000998 U	0.000987 U
Heptachlor epoxide	~	~	0.00351 U	0.00336 U	0.00367 U	0.00368 U	0.00311 U	0.00338 U	0.00407 U	0.00341 U	0.00332 U	0.00374 U	0.0037 U	0.0037 U
Lindane	0.1	9.2	0.000781 U	0.000747 U	0.000816 U	0.000818 U	0.000692 U	0.000752 U	0.000905 U	0.000757 U	0.000824 U	0.000738 U	0.000832 U	0.000822 U
Methoxychlor	~	~	0.00351 U	0.00336 U	0.00367 U	0.00368 U	0.00311 U	0.00338 U	0.00407 U	0.00341 U	0.00332 U	0.00374 U	0.0037 U	0.0037 U
Toxaphene	~	~	0.0351 U	0.0336 U	0.0367 U	0.0368 U	0.0311 U	0.0338 U	0.0407 U	0.0341 U	0.0371 U	0.0332 U	0.0374 U	0.037 U
trans-Chlordane	~	~	0.00234 U	0.00224 U	0.00245 U	0.00245 U	0.00208 U	0.00166 J	0.00271 U	0.00227 U	0.00247 U	0.00221 U	0.00249 U	0.00247 U
PCBs (mg/kg)														
Aroclor 1016	0.1	1	0.0394 U	0.0362 U	0.0406 U	0.0407 U	0.0356 U	0.0356 U	0.0458 U	0.0378 U	0.0408 U	0.0379 U	0.0414 U	0.0416 U
Aroclor 1221	0.1	1	0.0394 U	0.0362 U	0.0406 U	0.0407 U	0.0356 U	0.0356 U	0.0458 U	0.0378 U	0.0408 U	0.0379 U	0.0414 U	0.0416 U
Aroclor 1232	0.1	1	0.0394 U	0.0362 U	0.0406 U	0.0407 U	0.0356 U	0.0356 U	0.0458 U	0.0378 U	0.0408 U	0.0379 U	0.0414 U	0.0416 U
Aroclor 1242	0.1	1	0.0394 U	0.0362 U	0.0406 U	0.0407 U	0.0356 U	0.0356 U	0.0458 U	0.0378 U	0.0408 U	0.0379 U	0.0414 U	0.0416 U
Aroclor 1248	0.1	1	0.0394 U	0.0362 U	0.0406 U	0.0407 U	0.0356 U	0.0356 U	0.0458 U	0.0378 U	0.0408 U	0.0379 U	0.0414 U	0.0416 U
Aroclor 1254	0.1	1	0.0394 U	0.0362 U	0.0406 U	0.0407 U	0.0356 U	0.00971 J	0.0458 U	0.0378 U	0.0408 U	0.0379 U	0.0414 U	0.0416 U
Aroclor 1260	0.1	1	0.0394 U	0.0362 U	0.0406 U	0.0407 U	0.0356 U	0.0111 J	0.0458 U	0.0378 U	0.0408 U	0.0379 U	0.0414 U	0.0416 U
Aroclor 1262	0.1	1	0.0394 U	0.0362 U	0.0406 U	0.0407 U	0.0356 U	0.0356 U	0.0458 U	0.0378 U	0.0408 U	0.0379 U	0.0414 U	0.0416 U
Aroclor 1268	0.1	1	0.0394 U	0.0362 U	0.0406 U	0.0407 U	0.0356 U	0.0356 U	0.0458 U	0.0378 U	0.0408 U	0.0379 U	0.0414 U	0.0416 U
PCBs, Total	0.1	1	0.0394 U	0.0362 U	0.0406 U	0.0407 U	0.0356 U	0.0208 J	0.0458 U	0.0378 U	0.0408 U	0.0379 U	0.0414 U	0.0416 U
Total Metals (mg/kg)														
Aluminum, Total	~	~	4600	4880	10800	10800	4040	3630	11600	4470	9650	3360	12000	9640
Antimony, Total	~	~	4.83	4.5 U	4.86 U	4.9 U	4.25 U	4.34 U	5.35 U	4.49 U	4.98 U	4.45 U	5.01 U	4.94 U
Arsenic, Total	13	16	1.19	4.73	3.69	1.94	1.77	1.67	4.28	6.29	2.46	3.83	2.22	2.65
Barium, Total	350	400	22.6	106	28.6	28	12.4	40.2	52.2	1040	21.6	91.6	40.9	14
Beryllium, Total	7.2	590	0.232 J	0.234 J	0.37 J	0.402 J	0.162 J	0.208 J	0.567	0.18 J	0.528	0.142 J	0.531	0.286 J
Cadmium, Total	2.5	9.3	0.966 U	0.243 J	0.156 J	0.137 J	0.128 J	0.868 U	1.07 U	0.863 J	0.1 J	0.891 U	1 U	0.988 U
Calcium, Total	~	~	404	29900	481	682	754	14400	2170	46300	1140	57100	1140	665
Chromium, Total	~	~	9.72	12.9	14.9	12.8	9.93	14.4	14.9	12.6	11.6	7.48	15	11.8
Cobalt, Total	~	~	3.28	4.15	7.54	4.19	3.68	6.44	7.02	2.99	3.73	2.58	3.9	6.82
Copper, Total	50	270	7.95	19.4	18.5	7.77	12.4	13.4	16.1	13	6.82	29.5	8.99	20.3
Iron, Total	~	~	9110	8850	12400	12000	9130	8750	16500	6960	9660	6220	13200	10900
Lead, Total	63	1000	4.04 J	228	8.66	14.7	4.48	42.3	17.3	4680	7	843	7.85	9.86
Magnesium, Total	~	~	1580	2110	2760	2570	1520	4840	3210	2120	1800	3260	2740	2850
Manganese, Total	1600	10000	46.6	207	84.3	99.8	100	222	232	194	139	178	132	73.1
Mercury, Total	0.18	2.8	0.08 U	0.396	0.028 J	0.081 U	0.07 U	0.032 J	0.081 J	1.39	0.018 J	0.398	0.08 U	0.043 J
Nickel, Total	30	310	6.72	14.8	14.6	12.9	8.75	57.7	13.9	9.06	12.8	9.7	13.5	14.1
Potassium, Total	~	~	624	1130	916	806	582	695	864	812	674	525	878	657
Selenium, Total	3.9	1500	0.319 J	0.468 J	0.496 J	0.49 J	1.7 U	1.74 U	0.449 J	0.872 J	1.99 U	1.78 U	2 U	1.98 U
Silver, Total	2	1500	0.966 U	0.9 U	0.973 U	0.981 U	0.851 U	0.868 U	1.07 U	0.899 U	0.997 U	0.891 U	1 U	0.988 U
Sodium, Total	~	~	142 J	167 J	142 J	160 J	153 J	180	201 J	186	100 J	227	211	104 J
Thallium, Total	~	~	1.93 U	1.8 U	1.94 U	1.96 U	1.7 U	1.74 U	2.14 U	1.8 U	1.99 U	1.78 U	2 U	1.98 U
Vanadium, Total	~	~	14.6	19.2	19.4	14.1	12.2	16.5	19.2	14.8	14.1	15.4	16.2	13
Zinc, Total	109	10000	18.8	118	35.2	34.8	14.4	34.3	43.1	672	32.3	155	36.7	37.5
General Chemistry														
Solids, Total	~	~	81.3	87	80.5	77.8	90.4	88.6	72.2	86.6	78	87.3	78.8	77.6

Notes:

- Soil sample analytical results are compared to the Title 6 NYCRR Part 375 Unrestricted Use and Commercial Use Soil Clean Objectives (SCOs).
- Results above NYSDEC Part 375 Unrestricted Use SCOs are bolded.
- Results above NYSDEC Part 375 Commercial Use SCOs are shaded and bolded.
- Reporting Limits (RL) exceeding the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCOs are italicized.
- DUP01_042418 is a duplicate sample of EB-06_13-15
- mg/kg = milligrams per kilogram
- VOC = Volatile organic compound
- SVOC = Semivolatile organic compound
- PCBs = Polychlorinated biphenyls
- ~ = Criterion does not exist
- bgs = below grade surface

Qualifiers:

- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
- J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated
- P = The RPD between the results for the two columns exceeds the method-specified criteria.
- I = The lower value for the two columns has been reported due to obvious interference.
- E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Table 5
Groundwater Sample Analytical Results
Remedial Investigation Report
551 Greenwich Street
New York, New York,
Langan Project No. 190043701

Location Sampling Date Lab Sample ID	NYSDEC TOGS SGVs	MW02_050218 5/2/2018 L1815666-01	DUP01_050218 5/2/2018 L1815666-07	MW03_050218 5/2/2018 L1815666-02	MW04_050218 5/2/2018 L1815666-03	MW06_050218 5/2/2018 L1815666-04
VOCs (µg/l)						
1,1,1,2-Tetrachloroethane	5	250 U	500 U	2.5 U	2.5 U	120 U
1,1,1-Trichloroethane	5	250 U	500 U	2.5 U	2.5 U	120 U
1,1,2,2-Tetrachloroethane	5	50 U	100 U	0.5 U	0.5 U	25 U
1,1,2-Trichloroethane	1	150 U	300 U	1.5 U	1.5 U	75 U
1,1-Dichloroethane	5	250 U	500 U	2.5 U	2.5 U	120 U
1,1-Dichloroethene	5	50 U	100 U	0.5 U	0.5 U	25 U
1,1-Dichloropropene	5	250 U	500 U	2.5 U	2.5 U	120 U
1,2,3-Trichlorobenzene	5	250 U	500 U	2.5 U	2.5 U	120 U
1,2,3-Trichloropropane	0.04	250 U	500 U	2.5 U	2.5 U	120 U
1,2,4,5-Tetramethylbenzene	5	200 U	400 U	1 J	2 U	54 J
1,2,4-Trichlorobenzene	5	250 U	500 U	2.5 U	2.5 U	120 U
1,2,4-Trimethylbenzene	5	1200	1200	1 J	2.5 U	740
1,2-Dibromo-3-chloropropane	0.04	250 U	500 U	2.5 U	2.5 U	120 U
1,2-Dibromoethane	0.0006	200 U	400 U	2 U	2 U	100 U
1,2-Dichlorobenzene	3	250 U	500 U	2.5 U	2.5 U	120 U
1,2-Dichloroethane	0.6	50 U	100 U	0.5 U	0.5 U	25 U
1,2-Dichloroethene, Total	~	250 U	500 U	2.5 U	2.5 U	120 U
1,2-Dichloropropane	1	100 U	200 U	1 U	1 U	50 U
1,3,5-Trimethylbenzene	5	380	390 J	2.4 J	2.5 U	210
1,3-Dichlorobenzene	3	250 U	500 U	2.5 U	2.5 U	120 U
1,3-Dichloropropane	5	250 U	500 U	2.5 U	2.5 U	120 U
1,3-Dichloropropene, Total	~	50 U	100 U	0.5 U	0.5 U	25 U
1,4-Dichlorobenzene	3	250 U	500 U	2.5 U	2.5 U	120 U
1,4-Dioxane	~	25000 U	50000 U	250 U	250 U	12000 U
2,2-Dichloropropane	5	250 U	500 U	2.5 U	2.5 U	120 U
2-Butanone	50	500 U	1000 U	5 U	5 U	250 U
2-Hexanone	50	500 U	1000 U	5 U	5 U	250 U
4-Methyl-2-pentanone	~	500 U	1000 U	5 U	5 U	250 U
Acetone	50	500 U	1000 U	3.6 J	3.2 J	250 U
Acrylonitrile	5	500 U	1000 U	5 U	5 U	250 U
Benzene	1	12000	13000	0.51	0.5 U	4400
Bromobenzene	5	250 U	500 U	2.5 U	2.5 U	120 U
Bromochloromethane	5	250 U	500 U	2.5 U	2.5 U	120 U
Bromodichloromethane	50	50 U	100 U	0.5 U	0.5 U	25 U
Bromoform	50	200 U	400 U	2 U	2 U	100 U
Bromomethane	5	250 U	500 U	2.5 U	2.5 U	120 U
Carbon disulfide	60	500 U	1000 U	5 U	5 U	250 U
Carbon tetrachloride	5	50 U	100 U	0.5 U	0.5 U	25 U
Chlorobenzene	5	250 U	500 U	2.5 U	2.5 U	120 U
Chloroethane	5	250 U	500 U	2.5 U	2.5 U	120 U
Chloroform	7	250 U	500 U	2.5 U	1.4 J	120 U
Chloromethane	~	250 U	500 U	2.5 U	2.5 U	120 U
cis-1,2-Dichloroethene	5	250 U	500 U	2.5 U	2.5 U	120 U
cis-1,3-Dichloropropene	0.4	50 U	100 U	0.5 U	0.5 U	25 U
Dibromochloromethane	50	50 U	100 U	0.5 U	0.5 U	25 U
Dibromomethane	5	500 U	1000 U	5 U	5 U	250 U
Dichlorodifluoromethane	5	500 U	1000 U	5 U	5 U	250 U
Ethyl ether	~	250 U	500 U	2.5 U	2.5 U	120 U
Ethylbenzene	5	1400	1400	2.5 U	2.5 U	480
Hexachlorobutadiene	0.5	250 U	500 U	2.5 U	2.5 U	120 U
Isopropylbenzene	5	250 U	500 U	2.5 U	2.5 U	120 U
Methyl tert butyl ether	10	250 U	500 U	1.2 J	2.5 U	120 U
Methylene chloride	5	250 U	500 U	2.5 U	2.5 U	120 U
Naphthalene	10	520	550	2.5 U	2.3 J	380
n-Butylbenzene	5	250 U	500 U	2.5 U	2.5 U	120 U
n-Propylbenzene	5	120 J	500 U	2.5 U	2.5 U	60 J
o-Chlorotoluene	5	250 U	500 U	2.5 U	2.5 U	120 U
o-Xylene	5	3400	3600	0.86 J	2.5 U	550
p/m-Xylene	5	6700	7100	2.5 U	2.5 U	1300
p-Chlorotoluene	5	250 U	500 U	2.5 U	2.5 U	120 U
p-Diethylbenzene	~	130 J	400 U	2.8	2 U	110
p-Ethyltoluene	~	940	950	1.3 J	2 U	370
p-Isopropyltoluene	5	250 U	500 U	2.5 U	2.5 U	120 U
sec-Butylbenzene	5	250 U	500 U	2.5 U	2.5 U	120 U
Styrene	5	250 U	500 U	2.5 U	2.5 U	120 U
tert-Butylbenzene	5	250 U	500 U	2.5 U	2.5 U	120 U
Tetrachloroethene	5	50 U	100 U	0.5 U	0.5 U	25 U
Toluene	5	15000	16000	2.5 U	2.5 U	850
trans-1,2-Dichloroethene	5	250 U	500 U	2.5 U	2.5 U	120 U
trans-1,3-Dichloropropene	0.4	50 U	100 U	0.5 U	0.5 U	25 U
trans-1,4-Dichloro-2-butene	5	250 U	500 U	2.5 U	2.5 U	120 U
Trichloroethene	5	50 U	100 U	0.5 U	0.44 J	25 U
Trichlorofluoromethane	5	250 U	500 U	2.5 U	2.5 U	120 U
Vinyl acetate	~	500 U	1000 U	5 U	5 U	250 U
Vinyl chloride	2	100 U	200 U	1 U	1 U	50 U
Xylenes, Total	~	10000	11000	0.86 J	2.5 U	1900

Notes:
1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA - Drinking Water.
2. Concentrations detected above NYSDEC TOGS SGVs are highlighted and bold.
3. Reporting limits (RL) exceeding the NYSDEC TOGS AWQS GV criteria are italicized.
4. DUP01_050218 is a duplicate of parent sample MW02_050218.
5. µg/l = micrograms per liter
6. ~ = Criterion does not exist
7. ND = Not Detected
8. VOC = Volatile Organic Compound
9. SVOC = Semivolatile Organic Compound
10. PCB = Polychlorinated Biphenyl

Qualifiers:
J = Analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL); therefore data is estimated.
U = Analyte was analyzed for, but was not detected at a level greater than or equal to the RL.

Table 5
Groundwater Sample Analytical Results
Remedial Investigation Report
551 Greenwich Street
New York, New York,
Langan Project No. 190043701

Location Sampling Date Lab Sample ID	NYSDEC TOGS SGVs	MW02_050218 5/2/2018 L1815666-01	DUP01_050218 5/2/2018 L1815666-07	MW03_050218 5/2/2018 L1815666-02	MW04_050218 5/2/2018 L1815666-03	MW06_050218 5/2/2018 L1815666-04
SVOCs (µg/l)						
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	~	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	~	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	1	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	8.5	7.9	5 U	5 U	4.6 J
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	1 U	1 U	0.2 U	0.2 U	0.4 U
2-Chlorophenol	~	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	~	77	74	0.05 J	0.09 J	48
2-Methylphenol	~	14	11	5 U	5 U	4.1 J
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	~	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U	5 U
3-Methylphenol/4-Methylphenol	~	67	61	5 U	5 U	27
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-o-cresol	~	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	~	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	~	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	~	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	0.5 U	0.5 U	0.1 U	0.58	0.1 J
Acenaphthylene	~	0.5 U	0.5 U	0.1 U	0.1 U	0.2 U
Acetophenone	~	5 U	5 U	5 U	5 U	5 U
Anthracene	50	0.5 U	0.5 U	0.1 U	0.23	0.2 U
Benzo(a)anthracene	0.002	0.5 U	0.5 U	0.1 U	0.11	0.2 U
Benzo(a)pyrene	0	0.5 U	0.5 U	0.1 U	0.09 J	0.2 U
Benzo(b)fluoranthene	0.002	0.5 U	0.5 U	0.1 U	0.14	0.2 U
Benzo(ghi)perylene	~	0.5 U	0.5 U	0.1 U	0.1 U	0.2 U
Benzo(k)fluoranthene	0.002	0.5 U	0.5 U	0.1 U	0.06 J	0.2 U
Benzoic Acid	~	38 J	37 J	50 U	50 U	33 J
Benzyl Alcohol	~	2 U	2 U	2 U	2 U	2 U
Biphenyl	~	0.89 J	0.88 J	2 U	2 U	2 U
Bis(2-chloroethoxy)methane	5	5 U	5 U	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	2 U	2 U	2 U	2 U	2 U
Bis(2-chloroisopropyl)ether	5	2 U	2 U	2 U	2 U	2 U
Bis(2-ethylhexyl)phthalate	5	3 U	3 U	3 U	3 U	3 U
Butyl benzyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Carbazole	~	2 U	2 U	2 U	0.82 J	2 U
Chrysene	0.002	0.5 U	0.5 U	0.1 U	0.11	0.2 U
Dibenzo(a,h)anthracene	~	0.5 U	0.5 U	0.1 U	0.1 U	0.2 U
Dibenzofuran	~	2 U	2 U	2 U	0.68 J	2 U
Diethyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Dimethyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Di-n-butylphthalate	50	5 U	5 U	5 U	5 U	5 U
Di-n-octylphthalate	50	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	0.5 U	0.5 U	0.04 J	0.56	0.2 U
Fluorene	50	0.5 U	0.5 U	0.1 U	0.5	0.11 J
Hexachlorobenzene	0.04	4 U	4 U	0.8 U	0.8 U	1.6 U
Hexachlorobutadiene	0.5	2.5 U	2.5 U	0.5 U	0.5 U	1 U
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 U	20 U
Hexachloroethane	5	4 U	4 U	0.8 U	0.8 U	1.6 U
Indeno(1,2,3-cd)pyrene	0.002	0.5 U	0.5 U	0.1 U	0.1 U	0.2 U
Isophorone	50	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	310	290	0.07 J	0.3	140
NDPA/DPA	50	2 U	2 U	2 U	2 U	2 U
Nitrobenzene	0.4	2 U	2 U	2 U	2 U	2 U
n-Nitrosodi-n-propylamine	~	5 U	5 U	5 U	5 U	5 U
p-Chloro-m-cresol	~	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	1	4 U	4 U	0.8 U	0.8 U	1.6 U
Phenanthrene	50	0.5 U	0.5 U	0.1 U	1.1	0.17 J
Phenol	1	19	16	5 U	5 U	58
Pyrene	50	0.5 U	0.5 U	0.04 J	0.41	0.2 U

Notes:

- Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA - Drinking Water.
- Concentrations detected above NYSDEC TOGS SGVs are highlighted and bold.
- Reporting limits (RL) exceeding the NYSDEC TOGS AWQS GV criteria are italicized.
- DUP01_050218 is a duplicate of parent sample MW02_050218.
- µg/l = micrograms per liter
- ~ = Criterion does not exist
- ND = Not Detected
- VOC = Volatile Organic Compound
- SVOC = Semivolatile Organic Compound
- PCB = Polychlorinated Biphenyl

Qualifiers:

J = Analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL); therefore data is estimated.
U = Analyte was analyzed for, but was not detected at a level greater than or equal to the RL.

Table 5
Groundwater Sample Analytical Results
Remedial Investigation Report
551 Greenwich Street
New York, New York,
Langan Project No. 190043701

Location Sampling Date Lab Sample ID	NYSDEC TOGS SGVs	MW02_050218 5/2/2018 L1815666-01	DUP01_050218 5/2/2018 L1815666-07	MW03_050218 5/2/2018 L1815666-02	MW04_050218 5/2/2018 L1815666-03	MW06_050218 5/2/2018 L1815666-04
Pesticides (µg/l)						
4,4'-DDD	0.3	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
4,4'-DDE	0.2	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
4,4'-DDT	0.2	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Aldrin	0	0.008 J	0.005 J	0.02 U	0.02 U	0.02 U
Alpha-BHC	0.01	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta-BHC	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chlordane	0.05	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-Chlordane	~	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Delta-BHC	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	0.013 J	0.01 J	0.04 U	0.04 U	0.04 U
Endosulfan I	~	0.02 U	0.02 U	0.02 U	0.02 U	0.018 JPI
Endosulfan II	~	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endosulfan sulfate	~	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin	0	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin aldehyde	5	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin ketone	5	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Heptachlor	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor epoxide	0.03	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Lindane	0.05	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toxaphene	0.06	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-Chlordane	~	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
PCBs (µg/l)						
Aroclor 1016	~	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1221	~	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1232	~	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1242	~	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1248	~	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1254	~	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1260	~	0.139	0.21	0.083 U	0.083 U	0.083 U
Aroclor 1262	~	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1268	~	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
PCBs, Total	0.09	0.139	0.21	ND	ND	ND
Dissolved Metals (µg/l)						
Aluminum, Dissolved	~	19.4	17.2	38.6	4.55 J	18.4
Antimony, Dissolved	3	1.2 J	0.78 J	1.61 J	0.93 J	0.69 J
Arsenic, Dissolved	25	4.32	4.6	5.06	0.82	12.07
Barium, Dissolved	1000	141.7	142.9	81.01	88.13	152.9
Beryllium, Dissolved	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium, Dissolved	5	0.2 U	0.2 U	0.2 U	0.07 J	0.2 U
Calcium, Dissolved	~	179000	187000	90300	250000	93900
Chromium, Dissolved	50	1.93	1.92	2.22	0.3 J	2.33
Cobalt, Dissolved	~	0.26 J	0.26 J	0.91	3.32	0.79
Copper, Dissolved	200	1.5 U	1.5 U	1.32 J	2.19	1 U
Iron, Dissolved	300	8230	8110	586	237	11200
Lead, Dissolved	25	6.82	7.39	0.39 J	0.94 J	3.05
Magnesium, Dissolved	35000	119000	124000	71900	56400	88400
Manganese, Dissolved	300	3519	3616	212.7	440.1	1146
Mercury, Dissolved	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel, Dissolved	100	0.96 J	1.06 J	3.84	2.34	2.35
Potassium, Dissolved	~	36700	39400	41900	28200	51400
Selenium, Dissolved	10	5 U	5 U	5 U	4.57 J	5 U
Silver, Dissolved	50	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium, Dissolved	20000	299000	308000	225000	158000	191000
Thallium, Dissolved	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vanadium, Dissolved	~	3.66 J	4.19 J	9.1	3.51 J	5.32
Zinc, Dissolved	2000	10 U	10 U	10 U	16.35	21.1

- Notes:**
- Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA - Drinking Water.
 - Concentrations detected above NYSDEC TOGS SGVs are highlighted and bold.
 - Reporting limits (RL) exceeding the NYSDEC TOGS AWQS GV criteria are italicized.
 - DUP01_050218 is a duplicate of parent sample MW02_050218.
 - µg/l = micrograms per liter
 - ~ = Criterion does not exist
 - ND = Not Detected
 - VOC = Volatile Organic Compound
 - SVOC = Semivolatile Organic Compound
 - PCB = Polychlorinated Biphenyl

Qualifiers:

J = Analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL); therefore data is estimated.
U = Analyte was analyzed for, but was not detected at a level greater than or equal to the RL.

Table 6
Soil Vapor and Ambient Air Sample Analytical Results
Remedial Investigation Report
551 Greenwich Street
New York, New York
Langan Project No. 190043701

Sample ID	NYSDOH DECISION	AA01_042518	SV01_050218	SV02_042518	SV03_042518	SV04_042618	SV05_042518	SV06_042518	SV07_042518
Sampling Date	MATRICES A, B, AND	4/25/2018	5/2/2018	4/25/2018	4/25/2018	4/26/2018	4/25/2018	4/25/2018	4/25/2018
Laboratory Sample ID	C	L1814579-06	L1815733-01	L1814579-01	L1814579-02	L1815063-02	L1814579-03	L1814579-04	L1814579-05
VOCs (µg/m³)									
1,1,1-Trichloroethane	100	1.09 U	1.09 U	1.09 U	1.09 U	10.9 U	2.73 U	159 U	1.09 U
1,1,2,2-Tetrachloroethane	~	1.37 U	1.37 U	1.37 U	1.37 U	13.7 U	3.43 U	201 U	1.37 U
1,1,2-Trichloroethane	~	1.09 U	1.09 U	1.09 U	1.09 U	10.9 U	2.73 U	159 U	1.09 U
1,1-Dichloroethane	~	0.809 U	0.809 U	0.809 U	0.809 U	8.09 U	2.02 U	118 U	0.809 U
1,1-Dichloroethene	6	0.793 U	0.793 U	0.793 U	0.793 U	7.93 U	1.98 U	116 U	0.793 U
1,2,4-Trichlorobenzene	~	1.48 U	1.48 U	1.48 U	1.48 U	14.8 U	3.71 U	217 U	1.48 U
1,2,4-Trimethylbenzene	~	0.983 U	22.4	17.7	12.6	9.83 U	10.2	144 U	8.8
1,2-Dibromoethane	~	1.54 U	1.54 U	1.54 U	1.54 U	15.4 U	3.84 U	224 U	1.54 U
1,2-Dichlorobenzene	~	1.2 U	1.2 U	1.2 U	1.2 U	12 U	3.01 U	176 U	1.2 U
1,2-Dichloroethane	~	0.809 U	0.809 U	0.809 U	0.809 U	8.09 U	2.02 U	118 U	0.809 U
1,2-Dichloropropane	~	0.924 U	0.924 U	0.924 U	0.924 U	9.24 U	2.31 U	135 U	0.924 U
1,3,5-Trimethylbenzene	~	0.983 U	7.67	5.7	3.22	9.83 U	2.84	144 U	2.44
1,3-Butadiene	~	0.442 U	1.24	1.61	2.26	4.42 U	1.11 U	64.6 U	0.442 U
1,3-Dichlorobenzene	~	1.2 U	1.2 U	1.2 U	1.2 U	12 U	3.01 U	176 U	1.2 U
1,4-Dichlorobenzene	~	1.2 U	1.2 U	1.2 U	1.2 U	12 U	3.01 U	176 U	1.2 U
1,4-Dioxane	~	0.721 U	0.721 U	0.721 U	0.721 U	7.21 U	1.8 U	105 U	0.721 U
2,2,4-Trimethylpentane	~	1.19	8.5	9.53	0.934	9.34 U	2.34 U	32500	0.934 U
2-Butanone	~	1.47 U	35.4	2.34	66.4	69.3	31.9	216 U	24.9
2-Hexanone	~	0.82 U	20.2	0.82 U	25.5	8.2 U	10.6	120 U	19.8
3-Chloropropene	~	0.626 U	0.626 U	0.626 U	0.626 U	6.26 U	1.57 U	91.4 U	0.626 U
4-Ethyltoluene	~	0.983 U	5.56	3.66	4.89	9.83 U	4.07	144 U	3.21
4-Methyl-2-pentanone	~	2.05 U	6.52	3.91	4.34	20.5 U	5.12 U	300 U	2.05 U
Acetone	~	4.2	247	27.8	247	1390	228	347 U	122
Benzene	~	1.68	8.56	13.3	6.74	20	25	4700	1.96
Benzyl chloride	~	1.04 U	1.04 U	1.04 U	1.04 U	10.4 U	2.59 U	151 U	1.04 U
Bromodichloromethane	~	1.34 U	1.34 U	1.34 U	1.34 U	13.4 U	3.35 U	196 U	1.34 U
Bromoforn	~	2.07 U	2.07 U	2.07 U	2.07 U	20.7 U	5.17 U	302 U	2.07 U
Bromomethane	~	0.777 U	0.777 U	0.777 U	0.777 U	7.77 U	1.94 U	113 U	0.777 U
Carbon disulfide	~	0.623 U	0.875	0.623 U	16	63.2	1.96	90.9 U	4.14
Carbon tetrachloride	6	1.26 U	1.26 U	1.26 U	1.26 U	12.6 U	3.15 U	184 U	1.26 U
Chlorobenzene	~	0.921 U	0.921 U	0.921 U	0.921 U	9.21 U	2.3 U	134 U	0.921 U
Chloroethane	~	0.528 U	0.528 U	0.528 U	0.528 U	5.28 U	1.32 U	77.1 U	0.528 U
Chloroform	~	0.977 U	0.977 U	0.977 U	6.45	9.77 U	2.44 U	143 U	0.977 U
Chloromethane	~	0.958	0.944	1.25	0.413 U	4.13 U	1.03 U	60.3 U	0.413 U
cis-1,2-Dichloroethene	6	0.793 U	0.793 U	0.793 U	0.793 U	7.93 U	1.98 U	116 U	0.793 U
cis-1,3-Dichloropropene	~	0.908 U	0.908 U	0.908 U	0.908 U	9.08 U	2.27 U	133 U	0.908 U
Cyclohexane	~	0.688 U	1.96	11.3	7.47	268	534	2030	0.688 U
Dibromochloromethane	~	1.7 U	1.7 U	1.7 U	1.7 U	17 U	4.26 U	249 U	1.7 U
Dichlorodifluoromethane	~	2.01	2.16	2.48	1.32	9.89 U	2.47 U	144 U	2.19
Ethanol	~	13.2	59	79	12.8	94.2 U	23.6 U	1380 U	9.42 U
Ethyl Acetate	~	1.8 U	1.8 U	1.8 U	1.8 U	18 U	4.5 U	263 U	1.8 U
Ethylbenzene	~	0.869 U	6.69	8.56	10.2	15.8	10.9	127 U	8.82
Freon-113	~	1.53 U	1.53 U	1.53 U	1.53 U	15.3 U	3.83 U	224 U	1.53 U
Freon-114	~	1.4 U	1.4 U	1.4 U	1.4 U	14 U	3.49 U	204 U	1.4 U
Heptane	~	0.82 U	4.18	17.3	11.1	42.2	139	2180	2.28
Hexachlorobutadiene	~	2.13 U	2.13 U	2.13 U	2.13 U	21.3 U	5.33 U	311 U	2.13 U
Isopropanol	~	1.34	16.9	2.48	2.63	12.3 U	3.07 U	180 U	1.23 U
Methyl tert butyl ether	~	0.721 U	0.721 U	0.721 U	0.721 U	7.21 U	1.8 U	105 U	0.721 U
Methylene chloride	100	1.74 U	1.74 U	1.74 U	1.74 U	17.4 U	4.34 U	254 U	1.74 U
n-Hexane	~	1.2	9.2	20.6	9.55	21.8	458	12700	1.49
o-Xylene	~	0.903	11.3	12.6	13	12.5	12.3	127 U	10.3
p/m-Xylene	~	2.42	29.6	34.2	41.9	33.5	42	254 U	36.1
Styrene	~	0.852 U	0.852 U	0.852 U	2.9	8.52 U	2.97	124 U	1.42
Tertiary butyl Alcohol	~	1.52 U	4.24	1.52 U	2.98	15.2 U	4.24	222 U	3.76
Tetrachloroethene	100	1.36 U	8.41	1.36 U	7.59	6.71	6.92	198 U	5.44
Tetrahydrofuran	~	1.47 U	1.47 U	1.47 U	1.73	14.7 U	3.69 U	216 U	1.47 U
Toluene	~	3.37	27.9	36.3	33.4	214	31.3	2540	29.8
trans-1,2-Dichloroethene	~	0.793 U	0.793 U	0.793 U	0.793 U	7.93 U	1.98 U	116 U	0.793 U
trans-1,3-Dichloropropene	~	0.908 U	0.908 U	0.908 U	0.908 U	9.08 U	2.27 U	133 U	0.908 U
Trichloroethene	6	1.07 U	1.07 U	1.07 U	1.07 U	10.7 U	2.69 U	157 U	1.07 U
Trichlorofluoromethane	~	1.12 U	1.82	1.22	1.35	11.2 U	2.81 U	164 U	1.16
Vinyl bromide	~	0.874 U	0.874 U	0.874 U	0.874 U	8.74 U	2.19 U	128 U	0.874 U
Vinyl chloride	~	0.511 U	0.511 U	0.511 U	0.511 U	5.11 U	1.28 U	74.6 U	0.511 U
Total VOCs	~	32.471	548.229	312.84	555.32	2157.01	1556.2	56650	290.01
BTEX	~	7.47	84.05	104.96	105.24	295.8	121.5	7748	86.98

Notes:

1. Soil vapor results are compared to ambient air sample results obtained through synoptic sampling on April 25, 2018 and the lowest concentration for which monitoring or mitigation is recommended in Matrices A, B, and C of the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor in the State or New York Document with updates.
2. Detected soil vapor sample concentrations above ambient air sample results are shaded and bold.
3. Soil vapor results did not exceed the soil vapor criteria.
4. BTEX = Sum of detected benzene, toluene, ethylbenzene, and xylene
5. µg/m³ = micrograms per cubic meter.
6. ~ = Criteria does not exist

Qualifiers:

U = Analyte not detected at or above the level indicated

Table 7
QA/QC Sample Analytical Results Summary
Remedial Investigation Report
551 Greenwich Street
New York, New York
Langan Project No. 190043701

Sample ID	FIELD BLANK	FIELD BLANK	TRIP BLANK	TRIP BLANK
Sampling Date	4/23/2018	5/2/2018	4/23/2018	5/2/2018
Laboratory Sample ID	L1814188-10	L1815666-05	L1814188-11	L1815666-08
Volatile Organic Compounds (µg/L)				
Acrolein	5 U	2.2 J	5 U	5 U
Semivolatile Organic Compounds (µg/L)				
Total SVOCs	ND	ND	NA	NA
Pesticides (µg/L)				
Total Pesticides	ND	ND	NA	NA
Polychlorinated Biphenyls (µg/L)				
Total PCBs	ND	ND	NA	NA
Total Metals (µg/L)				
Antimony, Total	50 U	1.14 J	NA	NA
Barium, Total	10 U	0.8	NA	NA
Chromium, Total	10 U	0.21 J	NA	NA

Notes:

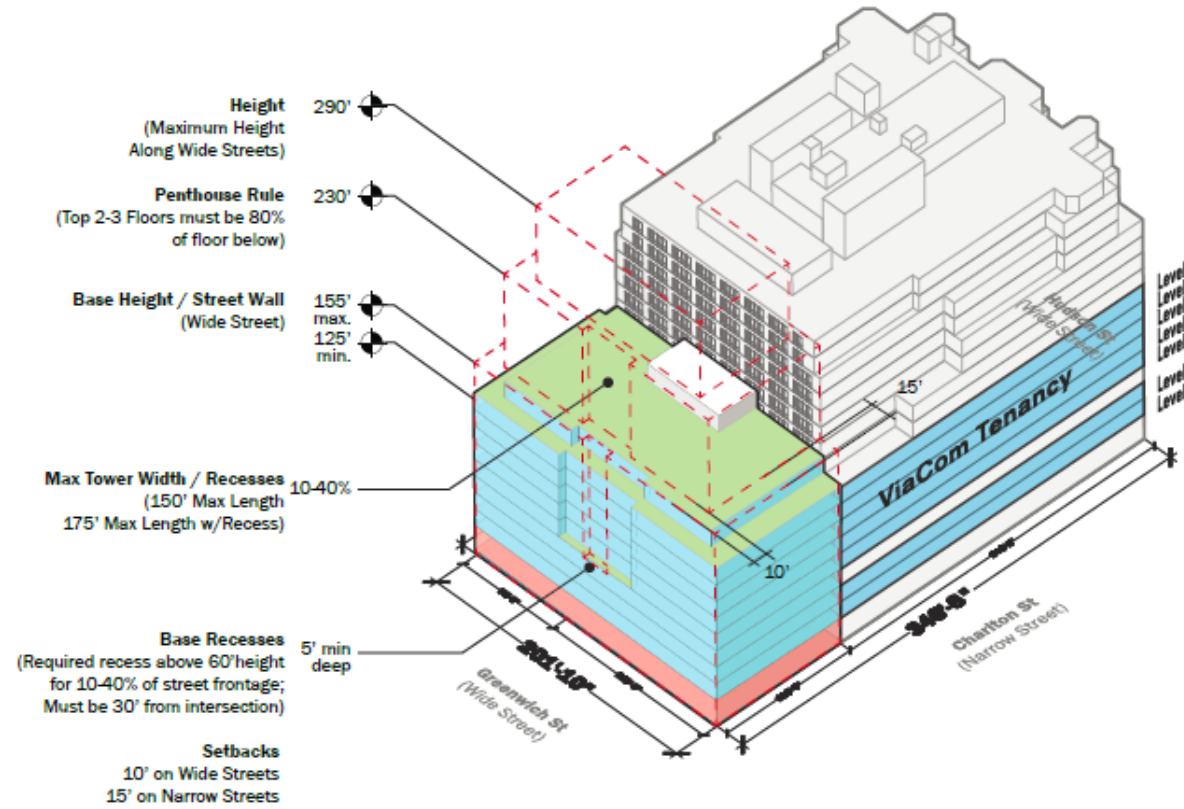
1. Only analytes with detections are shown.
2. µg/l = microgram per liter
3. PCB = Polychlorinated biphenyl
4. SVOC = Semi Volatile Organic Compound
5. ND - Not Detected
6. NA - Not Analyzed
7. Field blank samples were collected during the remedial investigation.
8. Trip blank samples were used during transport of soil samples being analyzed for VOCs.
9. QA/QC = quality assurance/quality control

Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL)
J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the

APPENDIX A
PROPOSED REDEVELOPMENT
PLANS

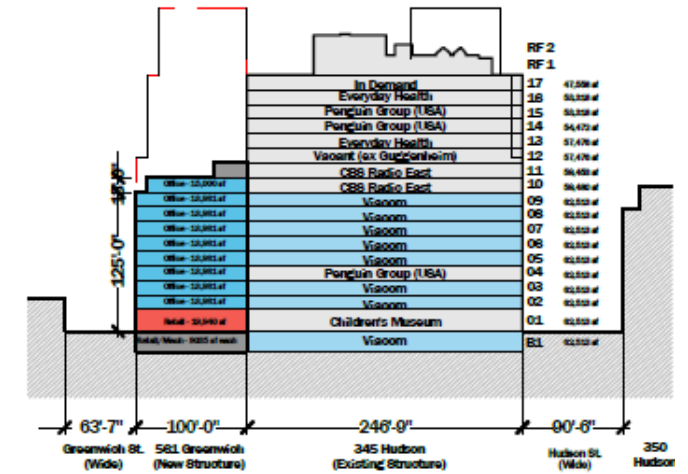
551 GREENWICH STREET



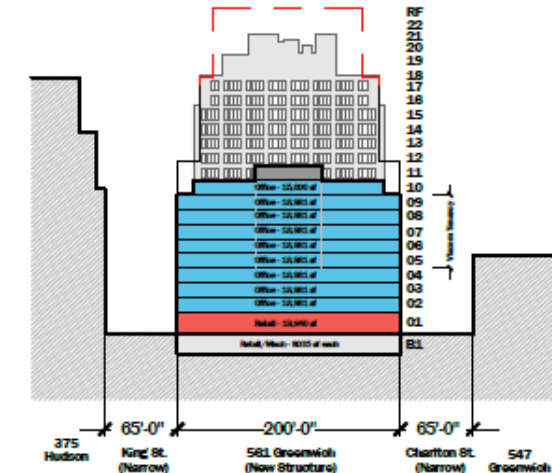
3- Commercial - 10 FAR

Use Type	Allowable (ZSF)	Proposed (ZSF)	Allowable FAR	Proposed FAR	Gross Area (GFA)	Typical Floor to Floor (ft)	Proposed Resl Units
Commercial	199,400	199,013	10.0	9.98	213,202.57		
Retail		16,432		0.82	24,975	20	
Office		182,581		9.16	188,228	15	
Residential	183,448	-	9.2	-	-	11	-
School	N/A	N/A	N/A	N/A	-	18	
BOH/Mech	N/A	N/A	N/A	N/A	11,835	15	
Open Space					3,000		
Total	239,280	199,013	10	9.98	225,038	157	-

West-East Section



North-South Section



APPENDIX B

PREVIOUS REPORT

551-561 Greenwich Street

Tax Block 598, Lots 42 and 48

NEW YORK, NEW YORK

Phase I Environmental Site Assessment

AKRF Project Number: 10920

Prepared for:

Trinity Real Estate
75 Varick Street
New York, NY 10013

Prepared by:



AKRF, Inc.
440 Park Avenue South
New York, NY 10016
212-696-0670

JANUARY 2009

EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by Trinity Real Estate to perform a Phase I Environmental Site Assessment of 551-561 Greenwich Street in Manhattan (Block 598, Lots 42 and 48). The property consisted of a single-story parking garage and surface parking lot with lifts. Commercial and office properties were located adjacent to the east, across King Street to the north, and across Charlton Street to the south. A United Parcel Service (UPS) facility was located across Greenwich Street to the west.

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current site usage or use of neighboring properties. This Phase I Environmental Site Assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in conformance with the scope and limitations of ASTM Standard E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. Any exceptions to, or deletions from, this practice are described in Sections 9.0, 10.0 and 11.0 of this report. This assessment revealed the following issues, including Recognized Environmental Conditions, in connection with the property:

- Historical land use maps and the regulatory database search indicated that the project site had a history of industrial and commercial use. Historical on-site usages included a Preserves Factory, Packing Canned Goods Company, Confectioners' Supplies, and Express Depot. The private garage at the study site was constructed between 1951 and 1968.
- A potential fuel oil fill cap was observed in the sidewalk adjacent to the west of the building along Greenwich Street. According to historical Sanborn maps and local records, two 550-gallon gasoline underground storage tanks (USTs) were located beneath the parking garage. Documentation regarding closure of these tanks was not available.
- Based on the age of the structure, roofing and building materials may contain asbestos. Suspect asbestos-containing materials (ACMs) were noted throughout the site building which included joint compound, caulking, plaster, drywall, and pipe insulation. Additional suspect ACMs may be present behind walls, on building roofs or in other hidden locations.
- Since the on-site building was constructed prior to 1978, lead-based paint may be present. Painted surfaces observed in the structure were noted to be in good condition.
- The on-site building was illuminated by fluorescent lighting. Based on the age of the building, suspect PCB- and mercury-containing fluorescent lights, switches, and other electrical equipment, may be present. No leaks or stains were noted around lighting fixtures and switches.
- The regulatory databases, historical land-use atlases, and visual site inspection indicated that the surrounding neighborhood has over a 100-year history of residential, commercial and industrial development. Two hundred and twelve spills were reported within a ½-mile radius of the subject site. Active and closed status spills, petroleum storage tanks, and hazardous waste generators were identified within 400 feet of the subject property. The off-site use of petroleum, chemicals and/or hazardous substances has the potential to have affected local groundwater quality.

Based on the results of this assessment, the following recommendations are noted:

- Prior to any redevelopment of the property, a subsurface (Phase II) investigation including a geophysical survey to locate potential USTs and the collection of soil and groundwater samples should be conducted to determine whether past on- or off-site operations have affected the property.
- If any USTs are discovered during the Phase II investigation or subsequently, they should be removed in accordance with applicable federal, state and local requirements (including spill reporting) along

with any associated petroleum-contaminated soil or groundwater. Soil (including fill materials) intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facility. Transportation of material leaving the site for off-site disposal must be in accordance with federal, state and local requirements including licensing of haulers and trucks, placarding, truck routes, manifesting, etc.

- Prior to any renovation or demolition activities with the potential to disturb suspect ACMs, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all city, state and federal requirements.
- Renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 – Lead Exposure in Construction).
- Unless there is labeling or test data which indicates that the on-site fluorescent light fixtures are not mercury- and/or PCB-containing, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

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FIGURES

- Figure 1 - Project Site Location
- Figure 2 - Site Plan Detail

APPENDICES

- Appendix A - Photographic Documentation
- Appendix B - Historical Sanborn Maps
- Appendix C - Regulatory Records Review
- Appendix D - Local Records

1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by Trinity Real Estate to perform an Environmental Site Assessment of a two-story brick and concrete commercial structure located at parking garage at 551-661 Greenwich Street in Manhattan (Block 598, Lots 42 and 48), as seen in Figure 1. The study site consisted of a single-story parking garage and surface parking lot with lifts. Commercial and office properties were located adjacent to the east, across King Street to the north, and across Charlton Street to the south. A United Parcel Service (UPS) facility was located across Greenwich Street to the west. An aerial of current site conditions is provided as Figure 2.

The scope of services for this assessment included the following:

- Visual observations of the project site and surrounding properties were conducted to identify potential sources or indications of chemical contamination. The potential sources of contamination included, but were not limited to, underground storage tanks (USTs), aboveground storage tanks (ASTs), objects that could contain polychlorinated biphenyls (PCBs), and areas where hazardous materials were used, stored, treated, generated and/or disposed. Indications of chemical contamination include stained surfaces and chemical odors.

In addition, readily-observable portions of the properties immediately adjacent to the project site were viewed from public rights-of-way to identify or determine the likelihood of any of the aforementioned potential sources of contamination being present.

- Published geological and groundwater information was obtained from available sources to determine the possibility of contamination from off-site sources.
- A visual inspection of the property was conducted to identify and evaluate the condition of any suspect asbestos-containing materials (ACMs) on-site. No samples of suspect materials were collected for analysis as part of this assessment.
- The structure/property was evaluated for the potential presence of lead-based paint, and the condition of painted surfaces was assessed. No samples were collected for analysis as part of this assessment.
- A review of radon concentrations in New York County (Manhattan) was conducted to determine whether radon levels in the general area comply with United States Environmental Protection Agency (USEPA) guidelines.
- Historical land use atlases for the site and adjacent properties were reviewed to evaluate previous land use.
- The following federal regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area; National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); and the USEPA Civil Enforcement Docket. The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.
- The following state regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area; the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive

Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); and Air Discharge Facilities (ADF).

- A review of available local Fire Department and Buildings Department records was conducted to obtain any information pertinent to the assessment of the environmental condition of the subject property.

2.0 PHYSICAL SITE DESCRIPTION

Visual inspection of the site and adjacent areas was performed on November 14, 2008 by Keri Anselmo of AKRF. Mr. John Shea, the property manager, accompanied AKRF personnel through the site and answered pertinent questions. At the time of the inspection, the weather was cloudy and approximately 50 °F, the visibility moderate, and the premises adequately illuminated. Some of the floors of the structure were illuminated by natural and/or artificial light; non-illuminated areas were accessed by flashlight. The site was inspected for the presence of stained surfaces and soils, stressed vegetation, storage tanks, drums, leaking pipes, transformers, suspect asbestos-containing materials, suspect lead-containing paint, and any other evidence of hazardous material usage and storage on-site. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

The project site included a single-story brick and concrete building with wood beams and concrete support columns. At the time of the site inspection, the building was used as a parking garage with car lifts. A small loft area was located in the northwest corner of the building that was occupied by a bathroom. Floor drains were observed throughout the building. According to Mr. Shea, the floor drains were connected to the municipal sewer. Staining was observed on the concrete floor of the garage. A surface parking lot with car lifts was adjacent to the north of the building. A small structure occupied by the parking attendants was observed in the parking lot portion of the site. No staining was observed on the asphalt-paved parking lot.

A potential fuel oil fill cap was observed in the sidewalk adjacent to the west side of the building along Greenwich Street. Additional information regarding potential tanks is discussed in Section 6.2.

2.2 Topography and Hydrogeology

The surface topography is relatively level. Based on reports compiled by the U.S. Geological Survey (Jersey City, NY-NJ Quadrangle), the property lies at an elevation of approximately 18 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level).

Unconsolidated surficial soil beneath the study site likely consists of fill material of unknown origin above native sand and gravel. Manhattan schist bedrock is likely located approximately 70 to 90 feet below grade. Groundwater flow is likely toward the Hudson River, approximately 500 feet west of the site. In addition, groundwater flow at the site can be affected by any past filling activities, bedrock geology, subsurface openings, and other factors beyond the scope of this study. Groundwater in Manhattan is not used as a source of potable water or irrigation.

2.3 Storage Tanks

No evidence, such as concrete foundations, containment walls, pedestals, or steel support structures, was observed during the site visit to indicate that aboveground storage tanks (ASTs) were located on-site either at the time of the inspection or in the past.

A potential fuel oil fill cap was observed in the sidewalk adjacent to the west side of the building along Greenwich Street. According to historical Sanborn maps and New York City Fire Department, two 550-gallon underground gasoline storage tanks (USTs) were located beneath the building at the study site. Documentation regarding the closure of these historical tanks was not available. Mr. Shea was unaware of any current or historical on-site petroleum tanks. Additional information regarding on-site and off-site tanks is discussed in Section 6.2.

2.4 Polychlorinated Biphenyls (PCBs)

Prior to 1979, polychlorinated biphenyls (PCBs) were widely used for their cooling properties in electrical equipment such as transformers, capacitors, switches and voltage regulators. Fluorescent lights and equipment in electrical panels in the subject building may include PCB-containing parts. Fluorescent lighting fixtures were utilized throughout the building. No leaks and/or spills associated with the lighting fixtures were noted.

Unless there is labeling or test data which indicates that the above equipment does not contain PCBs, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

2.5 Lead-Based Paint

The use of lead-based paint in commercial structures was severely restricted by the Consumer Products Safety Commission in 1977. Since the building on the project site was constructed prior to 1977, lead-based paint may be present. Lead-based paint is potentially hazardous when in a deteriorating condition (i.e. chipped, broken, crumbling, pulverized); lead is potentially harmful to humans, particularly children, if ingested, inhaled or otherwise absorbed. Painted surfaces of the project site buildings were in generally good condition. Any demolition or renovation activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—Lead Exposure in Construction).

2.6 Utilities

Consolidated Edison (Con Ed) provided electricity service to the project site and surrounding area. The study site was connected to New York City municipal water and sewer systems.

2.7 Waste Management and Chemical Handling

General refuse was collected into garbage receptacles throughout the subject buildings and hauled on a weekly basis by private haulers. No stored chemicals or cleaning fluids were observed during the site visit.

2.8 Radon

Radon is a colorless, odorless gas produced by the radioactive decay of certain elements. The most common sources of radon are igneous and metamorphic rocks containing uranium (such as pitchblende), granite, shale, or phosphate, as well as soils or sediments derived from these parent materials. Radon may also be found in soils contaminated with certain industrial wastes (such as uranium or phosphate mine tailings) or in earth-derived building products which include industrial wastes that contain phosphate slag. In areas where the potential for radon accumulation is high, special ventilation systems may offset potential health hazards.

According to data compiled by the Bureau of Radiation Protection, a division of the New York State Department of Health, the average cellar radon concentration in Manhattan is 2.0 picocuries/liter. The US EPA recommended action level is 4.0 picocuries/liter.

3.0 ASBESTOS-CONTAINING MATERIALS (ACM)

Asbestos, a known human carcinogen, is a generic name assigned to a group of naturally occurring minerals exhibiting high tensile strength and possessing excellent fire resistance and insulating properties. These minerals include chrysotile, amosite, crocidolite, actinolite, tremolite and anthophyllite. Asbestos is commonly found as a component of building materials including: Thermal System Insulation (TSI), spray-applied fireproofing, spray- or trowel-applied surfacing materials, vinyl asbestos floor tiles and sheeting, plaster, sheetrock, ceiling tiles, fire door fill, roofing materials, thermal gaskets, mastics, and a range of other products.

Building materials containing greater than one percent asbestos are considered to be Asbestos-Containing Materials (ACMs). ACMs are classified as friable or non-friable. Friable ACMs are those which can be crumbled, pulverized, or reduced to powder when dry by hand or other mechanical pressure. Friable ACMs, such as thermal system insulation and spray-applied fireproofing, are generally associated with a higher risk of releasing potentially hazardous fibers than non-friable ACMs, such as vinyl floor tiles and built-up roofing materials.

Based on the age of the structure, roofing and building materials may contain asbestos. Suspect asbestos-containing materials (ACMs) were noted throughout the site building which included joint compound, caulking, plaster, drywall, pipe elbows and insulation and roofing materials in good condition. No damaged friable suspect ACMs were noted in readily accessible areas. Additional suspect ACMs may be present above behind walls, on building roofs or in other hidden locations.

Sampling and analysis of all suspect ACMs should be performed prior to any disturbance. The ACMs should be removed by a licensed asbestos abatement contractor prior to building demolition or renovation.

4.0 ADJACENT LAND USE

The project site consisted of a single-story parking garage and parking lot with lifts. Commercial and office properties were present to the west, across King Street to the north, and across Charlton Street to the south. A UPS facility was located across Greenwich Street to the east. The remaining surrounding properties comprised mainly commercial and industrial buildings.

5.0 USER PROVIDED INFORMATION

5.1 Title Records

No information supplied by user.

5.2 Environmental Liens or Activity and use limitations

The User was not aware of any Environmental Liens or Activity and use limitations (AULs) for the project site.

5.3 Specialized knowledge

The User had no specialized knowledge of recognized or potential recognized environmental conditions in connection with the project site.

5.4 Commonly known or recently ascertainable information

No such information was provided.

5.5 Valuation Reduction for Environmental Issues

The User was unaware of any valuation reduction due to environmental issues.

5.6 Owner, property manager, and occupant information

The client is the property manager of the project site.

5.7 Reason for performing Phase I

The Phase I is being conducted as part of due diligence for the potential redevelopment of the property.

6.0 SITE HISTORY AND RECORDS REVIEW

6.1 Prior Ownership and Usage**6.1.1 Historical Land Use maps**

Historical insurance maps were reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the subject property. Specifically, Sanborn Fire Insurance Maps from 1894, 1905, 1922, 1951, 1968, 1980, 1994, and 2007 were reviewed.

1894

The northern portion of the study site was occupied by “Preserve Factory”. Six five-story dwellings occupied the remainder of the study site. A paper box factory, coal yard, an iron storage space, and dwellings were depicted across King Street to the north. Dwellings were depicted across Charlton Street to the south and east-adjacent to the study site.

1905

The northern portion of the study site was occupied by “Packing Canned Fruits, Jellies and Company”. Two vertical and two horizontal steam boilers were shown directly adjacent to the east of study site. The remainder of the site and surrounding properties appeared similar to the 1894 map.

1922

The northern portion of the study site was occupied by “Confectioners’ Supplies”. The coal yard previously across King Street to the north was replaced by a box packing facility. The remainder of the site and surrounding properties remained relatively unchanged from the 1905 map.

1951

The northern portion of the study site was occupied by “Express Depot”. The dwellings on the southern portion of the study site were replaced by a private garage with buried 550-gallon gasoline tanks. The steam boilers previously adjacent to the north of the site no longer existed.

An eighteen-story office building occupied by Standard and Poor was located east-adjacent of the study site on the remainder of the study block. A parking area, private garage, “Mundy Motor Lines”, and residential dwellings were depicted across King Street to the north. Across Charlton Street to the south remained mostly commercial with several dwellings.

1968

The private garage at the study site was extended north to occupy the former “Express Depot”. Two gasoline tanks were depicted within the private garage along the western side of the building. No structures remained on the northern portion of the study site, which was noted as a parking lot.

A private garage with a gasoline tank was located across Charlton Street to the south. A loading area and parking lot covered the complete block across King Street to the north. The remainder surrounding properties remained relatively unchanged from the 1951 map.

1980

No structures remained on the block across King Street to the north, which was noted to be parking. No other significant changes in site use or the surrounding properties were observed from the 1968 map.

1994

The entire block across King Street to the north was noted to be office space. No other significant changes in site use or the surrounding properties were observed from the 1980 map.

2007

The gasoline tanks were no longer depicted at the study site. No other significant changes were noted in site use for the study site or the surrounding properties from the 1994 map.

To summarize, the Sanborn maps indicated that the study site was developed with factories and residential dwellings as early as 1894. The private garage at the study site was constructed between 1951 and 1968, and two 550-gallon gasoline tanks were noted at the study site between 1968 and 1994. Residential and commercial buildings have occupied the surrounding properties since 1894.

6.1.2 Historical Aerial Photographs

Complete and thorough coverage was available for the subject property utilizing historical land-use maps. The maps typically include detailed information such as dates of construction, building occupants or a vacant status, and use and/or zoning use of structures on the site and surrounding area. Aerial photographs would, most likely, not provide additional, unique information that is pertinent to the environmental condition of the property. As such, aerial photographs were not reviewed for the project site.

6.1.3 Property Tax Files

The tax parcels comprising the project site were zoned M1-6 (Manufacturing). The building classes were listed as G-2 and G-6 (garage/gas station).

6.1.4 Recorded Land Title Records

Records maintained by the New York City Fire and Buildings Departments were investigated to determine the potential presence of hazardous materials and are discussed under Section 6.2.3.

6.2 Regulatory Review

Toxics Targeting, Inc. of Ithaca, New York, was contracted to obtain information regarding the regulatory status of the property and the surrounding area. This information included records from databases maintained by the USEPA and New York State Department of Environmental Conservation (NYSDEC). AKRF reviewed these records to identify the use, generation, storage, treatment and/or disposal of hazardous material and chemicals, or releases of such materials which may impact the project site. All applicable regulatory databases meet ASTM guidelines requesting utilization of information within 90 days' receipt from the appropriate agency. Copies of the pertinent sections of the Toxics Targeting, Inc. report are included in Appendix C.

6.2.1 Federal

The federal records reviewed included the National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); and the USEPA Civil Enforcement Docket. The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

National Priority List (NPL)

The NPL is the USEPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

No NPL sites were identified within a one-mile radius of the project site.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the USEPA has investigated, or plans to investigate, for a release, or threatened release, of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA). Some of these sites may constitute a potential threat to human health and the environment. While it has been determined by the USEPA that some CERCLIS sites require no action, others could pose a real or perceived environmental threat to neighboring properties, thus affecting property values.

Two CERCLIS site were identified within a ½-mile radius of the project site. General Services Administration, located at 201 Varick Street approximately 600 feet

east/northeast of the project site, was listed as a CERCLIS site. No further remedial activity was planned. Based on the information provided in the listing, this site is not expected to have affected the subject site.

New York City Anthrax Sites, located at 31 Downing Street and 2 Prince Street, approximately 1500 feet east/northeast of the project site, was listed as a CERCLIS site. Based on its distance, and on the information provided in the listing, this site is not expected to have affected the subject site.

Emergency Response Notification System (ERNS)

This federal database, compiled by the Emergency Response Notification System, records and stores information on reported releases of petroleum and other potentially hazardous substances.

The subject property was not listed as an ERNS site.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported to the USEPA and/or NYSDEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. The TRIS was mandated by Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986. Available information includes the maximum amount of chemicals stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released to land; methods used in waste treatment and their efficiency; and data on the transfer of chemicals off-site.

No TRIS sites were identified within a 1/8-mile radius of the subject property.

Permit Compliance System of Toxic Wastewater Discharge (WWD)

This federal- and state-maintained database contains a listing of sites which discharge wastewater containing potentially hazardous chemicals.

No WWD facilities were reported within a 1/8-mile radius of the subject property.

United States Environmental Protection Agency Civil Enforcement Docket

This database is the USEPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice.

No facilities were listed in the USEPA's Civil Enforcement Docket within a 1/8-mile radius of the subject property.

Air Discharge Facilities Index (ADF)

This listing of sites tracked by the US EPA AIRS Database includes address information on each facility and the source of its associated air emissions.

Sixteen Air Discharge Facilities were identified within a 1/8-mile radius of the project site. The property at 345 Hudson Street, located east-adjacent of the study site was listed seven times in the database. Based on the information provided in the ADF listings, this property and the remainder of the ADF-listed facilities would not be expected to have affected the study site.

6.2.2 State

The state records reviewed included the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); and Air Discharge Facilities (ADF).

New York SPILLS Database

The New York SPILLS database includes a list of releases reported to the NYSDEC, including those attributed to tank test failures and tank failures. The tank test failures list only covers tanks that are below ground, while the tank failures list includes those that are either below or above ground. This database also lists spills that occur during the transportation of chemicals.

No spills were reported for the subject property. Two hundred and twelve (212) spills were reported within a ½-mile radius of the subject site, including fifteen (15) active status spills and one hundred and ninety-seven (197) closed status spills. Twenty-six (26) of these spills are within a ¼-mile radius of the project site. The spills most likely to impact the project site based on proximity, presumed groundwater flow direction and nature of the spills are as follows:

- A UPS facility, located at 522 Greenwich Avenue, across Greenwich Street to the west was listed as a spill due to a tank test failure of four 1,500-gallon gasoline tanks on April 4, 1991. No further information was provided and the site was closed on February 9, 1998. A second release was reported due to a release of an unknown amount of petroleum on August 10, 1992. Contaminated soil was excavated and disposed of, and the listing was closed on March 14, 2003.
- A Department of Environmental Protection (DEP) parking lot located at the intersection of Hudson Street and Clarkson Street, approximately 725 feet north-northeast of the project site reported a release of an unknown quantity of petroleum on January 20, 2005. During excavation, two previously unknown tanks were discovered. No further information was available, and the site remains with active status.
- A Mobil Station, located at 140-52 6th Avenue, approximately 1600 feet southeast of the project site reported a release of unknown quantity of petroleum on October 1, 2002. The implementation of the Remedial Action Plan began on March 28, 2007 and the site remains with active status.

Based on the nature and number of spills reported for properties nearby and in presumed upgradient groundwater flow locations, the reported spills may have affected subsurface conditions at the subject property. Details from all spills are included in Appendix C.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

The NYSDEC's Bureau of Hazardous Waste Facility Compliance regulates hazardous waste from the point of generation to the point of disposal. The identified sites tracked on this list are those which have filed notification forms in accordance with the Resource Conservation and Recovery Act requirements regarding their hazardous waste activity. These sites include treatment, storage and disposal facilities (TSDs); small-quantity and

large-quantity generators; and transporters of hazardous waste regulated under RCRA. The discussion below includes any CORRACTS listings of facilities which are subject to corrective action under RCRA.

No TSD facilities were identified within a 1/8-mile radius of the subject area.

Forty-one RCRA Generators/Transporters were reported within a 1/8-mile radius of the subject site. The east-adjacent property at 345 Hudson Street was listed three times as a generator of hazardous waste, including spent non-halogenated solvents, silver, ignitable hazardous waste, and corrosive hazardous waste from 1992 to 1997. Based on the locations and details of all the RCRA listings, potential discharges from these off-site sources are not likely to have affected subsurface conditions at the study site. Details of all listed RCRA Notifiers are included in Appendix C.

Chemical Bulk Storage (CBS) Database

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

One CBS facility was identified within a 1/8-mile radius of the project site. A 300-gallon ethylene glycol aboveground storage tank (AST) was listed at the UPS facility located across Greenwich Street to the west. Based on the location and details of this listing, potential discharges are not likely to have affected subsurface conditions at the study site.

Solid Waste Facilities (SWF)

This database includes a listing of landfills, incinerators, transfer stations, recycling centers, and other sites which manage solid waste.

No SWF were listed within 1/2-mile of the subject property.

Petroleum Bulk Storage (PBS) Database

The New York State PBS lists commercial facilities with registered petroleum tanks located either above or below ground in excess of 1,100 gallons and less than 400,000 gallons.

The study site was listed in the PBS database. Twenty-seven (27) additional PBS listings were reported within a 1/8-mile radius of the subject property. The on-site and closest off-site properties (within 250 feet radius of the subject site) with listed tanks are summarized in Table 1.

Table 1
Area Petroleum Bulk Storage Facility Data

Reported Location	Capacity (gallons)	Product Stored	Status	Distance/Direction from Project site
Trinity Church Corp 559 Greenwich Street	(2) 550-gallon tank	Gasoline	Unknown	On Site
345 Hudson Street	20,000-gallon AST	#6 Fuel Oil	In-Service	East-adjacent
United Parcel Service 522 Greenwich Street (listed twice)	(4) 1,500-gallon UST	Gasoline	Closed - In Place	230 feet West-southwest
	(8) 1,500-gallon UST	Diesel	Closed - In Place	
	3,000-gallon UST	#2 Fuel Oil	Closed - In Place	
	4,000-gallon UST	Gasoline	In-Service	
	(2) 4,000-gallon UST	Diesel	In-Service	
New York Truck Terminal 325 Spring Street	250-gallon AST	Waste oil	In-Service	230 feet West-southwest
	4,000-gallon UST	#2 Fuel Oil	Closed	
	6,000-gallon UST	Gasoline	Closed	
	12,000-gallon UST	Gasoline	Closed	

Notes: UST = underground storage tank
AST = aboveground storage tank

Releases were listed for the tanks associated with the petroleum storage tanks at the UPS facility at 522 Greenwich Street. Details of the additional PBS facilities located within 1/8 mile of the project site are included in Appendix C.

State Inactive Hazardous Waste Disposal Site Registry (SHWS)

This database maintains information and aids decision-making regarding the investigation and clean-up of hazardous sites. The Registry's information includes the clean-up status, type of clean-up, types and quantities of contaminants involved, and the assessment of health and environmental concerns.

No State Inactive Hazardous Waste Disposal Sites were reported within a one-mile radius of the subject property.

Major Oil Storage Facilities (MOSF) Database

These facilities may be on-shore facilities or vessels with petroleum storage capacities of 400,000 gallons or more.

No Major Oil Storage Facilities were reported within a 1/8-mile radius of the subject property.

Environmental Restoration Program

These sites (which are generally municipally-owned) are receiving New York State funding, through the Clean Water/Clean Air Bond Act of 1996, to reimburse costs for site investigation and remediation. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

No Environmental Restoration Program sites were reported within a 1/2-mile radius of the subject property.

Voluntary Cleanup Program

In contrast to the Environmental Restoration Program, the Voluntary Cleanup Program is a NYSDEC program for investigation and remediation of generally privately-owned sites. It allows volunteers to obtain NYSDEC liability releases following cleanup. New sites are no longer accepted into this program (see the Brownfield Cleanup Program, below) though existing sites may continue to be addressed. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

No Voluntary Cleanup Program sites were listed within ½-mile of the subject site.

Brownfield Cleanup Program

In 2003, a New York State law established this successor to the Voluntary Cleanup Program. In addition to liability releases, it established a variety of tax credits for sites remediated through the program. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

No Brownfield Cleanup Program (BCP) sites were listed within a ½-mile radius of the project site.

6.2.3 Local

Buildings Department

An electronic search of the New York City Department of Buildings on-line Building Information System (BIS) database was performed. The database typically includes information on current and past Certificates of Occupancy and construction permits, but does not include building plans. Copies of pertinent information are included in Appendix D. BIS records for 551-559 and 561 Greenwich Street indicated Certificates of Occupancy were available for this property in 1932 and 1959. The property was listed as a parking lot and a single-story garage with heating system. Violations were recorded for the structural integrity of the building.

Fire Department

The database search provided by Toxics Targeting, Inc. indicated that according to the New York City Fire Department archived database, two 550-gallon tanks were present at the study site.

7.0 INTERVIEWS

7.1 Interview with owner

Thomas Cancelliere, Director of Property Management & Construction for Trinity Real Estate answered pertinent questions about the project site. Mr. Cancelliere had no knowledge of any tanks or chemical storage at the project site. Mr. Cancelliere had no knowledge of any interior or exterior incidents concerning pools of liquids, odors, staining or corrosion. Mr. Cancelliere had no knowledge of potable wells, irrigation wells, injection wells, dry wells, abandoned wells or any other wells at the project site.

Mr. Cancelliere had no knowledge of the following: 1) any pending, threatened, or past administrative litigation relevant to hazardous substances or petroleum products in, on or from the property; 2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and 3) any notice from any government entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

7.2 Interview with site manager

Mr. John Shea, the property manager, accompanied AKRF during the site visit and answered pertinent questions about the site. This information is summarized in Section 2.1.

7.3 Interview with occupants

No on-site occupants were available for interview at the time of the site visit.

7.4 Interview with local government officials

Federal, state and local regulatory databases were consulted for identifying recognized environmental conditions (RECs) on the property due to on-site or off-site conditions. Given that is unlikely that further significant information would be available from local government officials, and given that it is unlikely that such information would materially change the findings of this Phase I assessment, local government officials were not interviewed.

8.0 PREVIOUS STUDIES

No previous reports were available for review at the time of this report.

9.0 LIMITATIONS

This assessment met the requirements of the American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-05. The following limitations should be noted:

- Results of this investigation are valid as of the dates on which the investigation was performed.
- Access was not available to the roof or surface areas covered by parked cars.
- A limited visual inspection for asbestos was performed in readily accessible areas only. No samples were collected as part of this assessment.

10.0 DEVIATIONS

The User did not request any deviations from the ASTM Standard.

11.0 DATA GAPS

Section 3.3.20 of ASTM Standard E 1527-05 defines a data gap as the inability to obtain information required by the ASTM Standard despite good faith efforts to obtain applicable data. Data gaps may result from incompleteness in any of the activities required by the by the ASTM Standard. The following data gaps occurred in connection with this report:

Table 2
Data Gaps Identified

Data Gap	Explanation	Relevance of Gap
Project site Area History	The project site area history was not conducted in five-year intervals	This data gap is not likely to alter the conclusions of the report
Interview with former Owner or Operator	AKRF was not able to contact the former site owner or operator.	This data gap is not likely to alter the conclusions of the report
Interview with Owner or Operator of site abutters	AKRF was unable to locate the owners of all the abutting properties	This data gap is not likely to alter the conclusions of the report

12.0 CONCLUSIONS AND RECOMMENDATIONS

This Phase I Environmental Site Assessment (ESA) was performed in accordance with customary principles and practices in the environmental consulting industry, and in conformance with the scope and limitations of ASTM Standard E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. Any exceptions to, or deletions from, this practice are described in Section 9.0 of this report.

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current site usage and usage of neighboring properties. This assessment has revealed the following evidence of Recognized Environmental Conditions in connection with the property:

- Historical land use maps and the regulatory database search indicated that the project site had a history of industrial and commercial use. Historical on-site usages included a Preserves Factory, Packing Canned Goods Company, Confectioners' Supplies, and Express Depot. The private garage at the study site was constructed between 1951 and 1968.
- A potential fuel oil fill cap was observed in the sidewalk adjacent to the west of the building along Greenwich Street. According to historical Sanborn maps and local records, two 550-gallon gasoline underground storage tanks (USTs) were located beneath the parking garage. Documentation regarding closure of these tanks was not available.
- Based on the age of the structure, roofing and building materials may contain asbestos. Suspect asbestos-containing materials (ACMs) were noted throughout the site building which included joint compound, caulking, plaster, drywall, and pipe insulation. Additional suspect ACMs may be present behind walls, on building roofs or in other hidden locations.
- Since the on-site building was constructed prior to 1978, lead-based paint may be present. Painted surfaces observed in the structure were noted to be in good condition.
- The on-site building was illuminated by fluorescent lighting. Based on the age of the building, suspect PCB- and mercury-containing fluorescent lights, switches, and other electrical equipment, may be present. No leaks or stains were noted around lighting fixtures and switches.
- The regulatory databases, historical land-use atlases, and visual site inspection indicated that the surrounding neighborhood has over a 100-year history of residential, commercial and industrial development. Two hundred and twelve spills were reported within a 1/2-mile radius of the subject site. Active and closed status spills, petroleum storage tanks, and hazardous waste generators were identified within 400 feet of the subject property. The off-site use of petroleum, chemicals and/or hazardous substances has the potential to have affected local groundwater quality.

Based on the results of this assessment, the following recommendations are noted:

- Prior to any redevelopment of the property, a subsurface (Phase II) investigation including a geophysical survey to locate potential USTs and the collection of soil and groundwater samples should be conducted to determine whether past on- or off-site operations have affected the property.
- If any USTs are discovered during the Phase II investigation or subsequently, they should be removed in accordance with applicable federal, state and local requirements (including spill reporting) along with any associated petroleum-contaminated soil or groundwater. Soil (including fill materials) intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facility. Transportation of material leaving the site for off-site disposal must be in

accordance with federal, state and local requirements including licensing of haulers and trucks, placarding, truck routes, manifesting, etc.

- Prior to any renovation or demolition activities with the potential to disturb suspect ACMs, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all city, state and federal requirements.
- Renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 – Lead Exposure in Construction).
- Unless there is labeling or test data which indicates that the on-site fluorescent light fixtures are not mercury- and/or PCB-containing, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

13.0 SIGNATURE PAGE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have performed all the appropriate inquiries in conformance with standards and practices set forth in 40 CFR Part 312



Keri Anselmo
Environmental Scientist

14.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. It is intended for use as a supplement to the property appraisal, and is only to be used as a guide in determining the possible presence or absence of hazardous materials on the subject property at the time of the inspection. This assessment is based upon the review of readily available records relating to previous use of both the project site and the surrounding area, as well as a visual inspection of the current condition of the property. Environmental characteristics at this site and surrounding sites may be subject to change in the future.

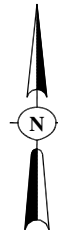
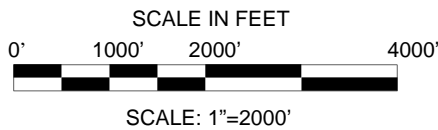
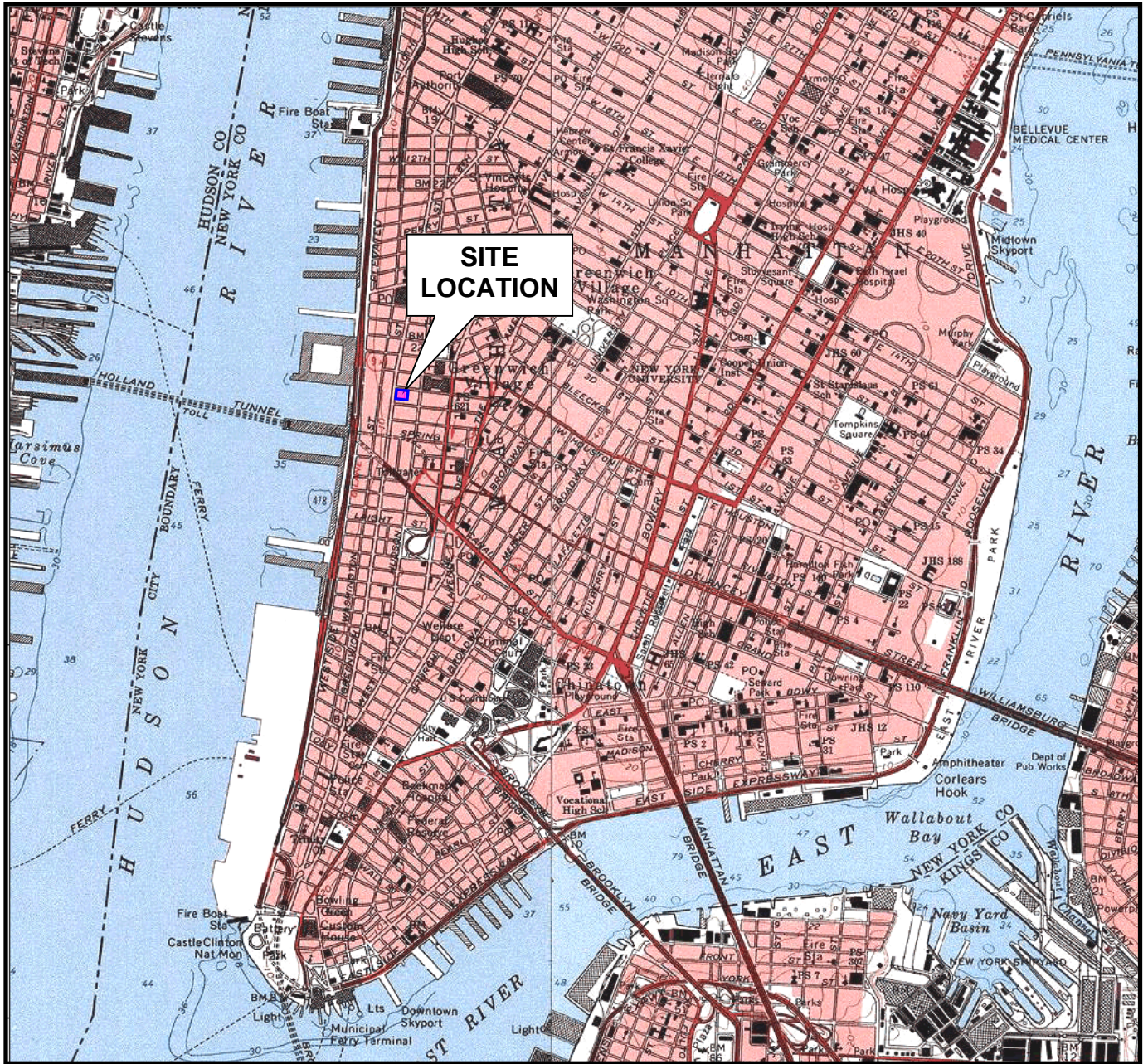
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the site and its surrounding area. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and inspections have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than Trinity Real Estate and their successors or assignees, and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or negligent or willful acts or omissions.

15.0 REFERENCES

1. Toxics Targeting, Inc.; 551-561 Greenwich Street - New York, New York; Regulatory Radius Search; November 12, 2008.
2. U.S. Geological Survey; *Jersey City, New York - New Jersey Quadrangle*; 7.5 minute Series (Topographic); Scale 1:24,000; 1966; Photorevised 1979.
1. U.S. Geological Survey; Ground Water in Bronx, New York, and Richmond Counties with Summary Data on Kings and Queens Counties, New York City, New York; Bulletin GW-32; 1953.
2. U.S. Geological Survey; Open Files Report 89-462; Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey; Sheet 3 - Bedrock Contours and Outcrops; 1990.
3. New York State Department of Health: Office of Public Health - Environmental Radiation Section; Basement Radon Screening Data; January, 1997.
4. Sanborn Insurance Maps dated 1894, 1905, 1922, 1951, 1968, 1980, 1994, and 2007.

FIGURES



SOURCE:
7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP
QUADRANGLE: JERSEY CITY, NJ 1981

**551-561 GREENWICH STREET
NEW YORK, NEW YORK**

PROJECT SITE LOCATION



Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
1.08.09

PROJECT No.
10920

SCALE
as shown

FIGURE
1



LEGEND:

— PROJECT SITE BOUNDARY

551-561 GREENWICH STREET
NEW YORK, NEW YORK

SITE PLAN DETAIL



Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
1.08.08

PROJECT No.
10920

SCALE
as shown

FIGURE
2

APPENDIX A
PHOTOGRAPHIC DOCUMENTATION



Photograph 1: Parking lot at north side of study site.



Photograph 2: Parking garage at south side of study site.



Photograph 3: Structure for parking attendants.



Photograph 4: Interior of parking garage at study site.



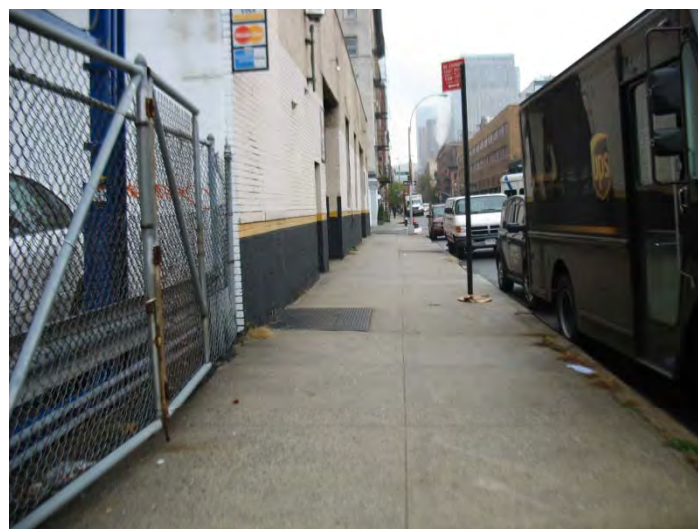
Photograph 5: Staining inside parking garage.



Photograph 6: Drain inside parking garage.

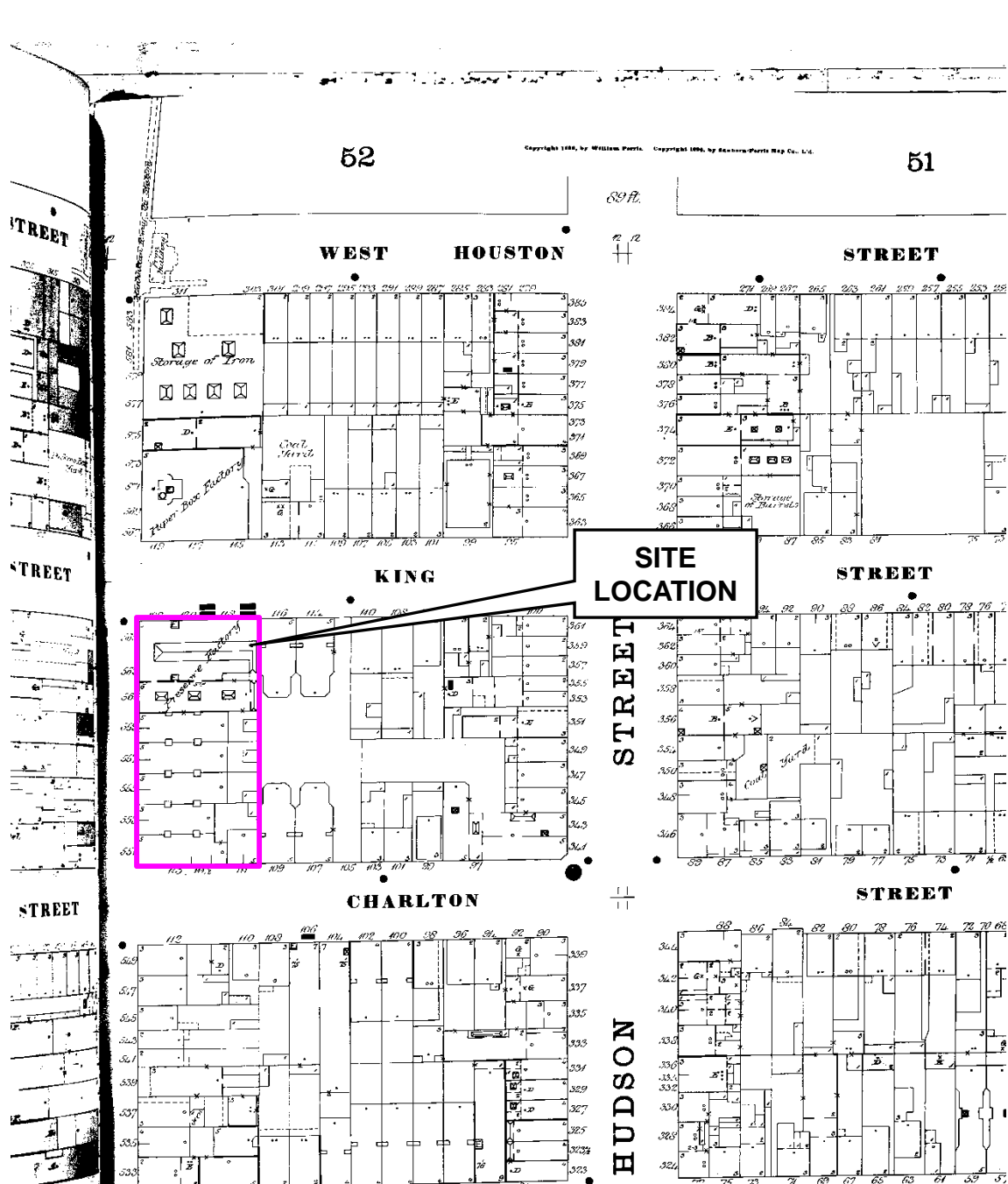


Photograph 7: Potential fill port for historical underground storage tanks.



Photograph 8: Location of potential fill port along Greenwich Street.

APPENDIX B
HISTORICAL SANBORN MAPS



**SITE
LOCATION**

LEGEND:

——— PROJECT SITE BOUNDARY

**551-561 GREENWICH STREET
MANHATTAN, NEW YORK**

1894 SANBORN MAP



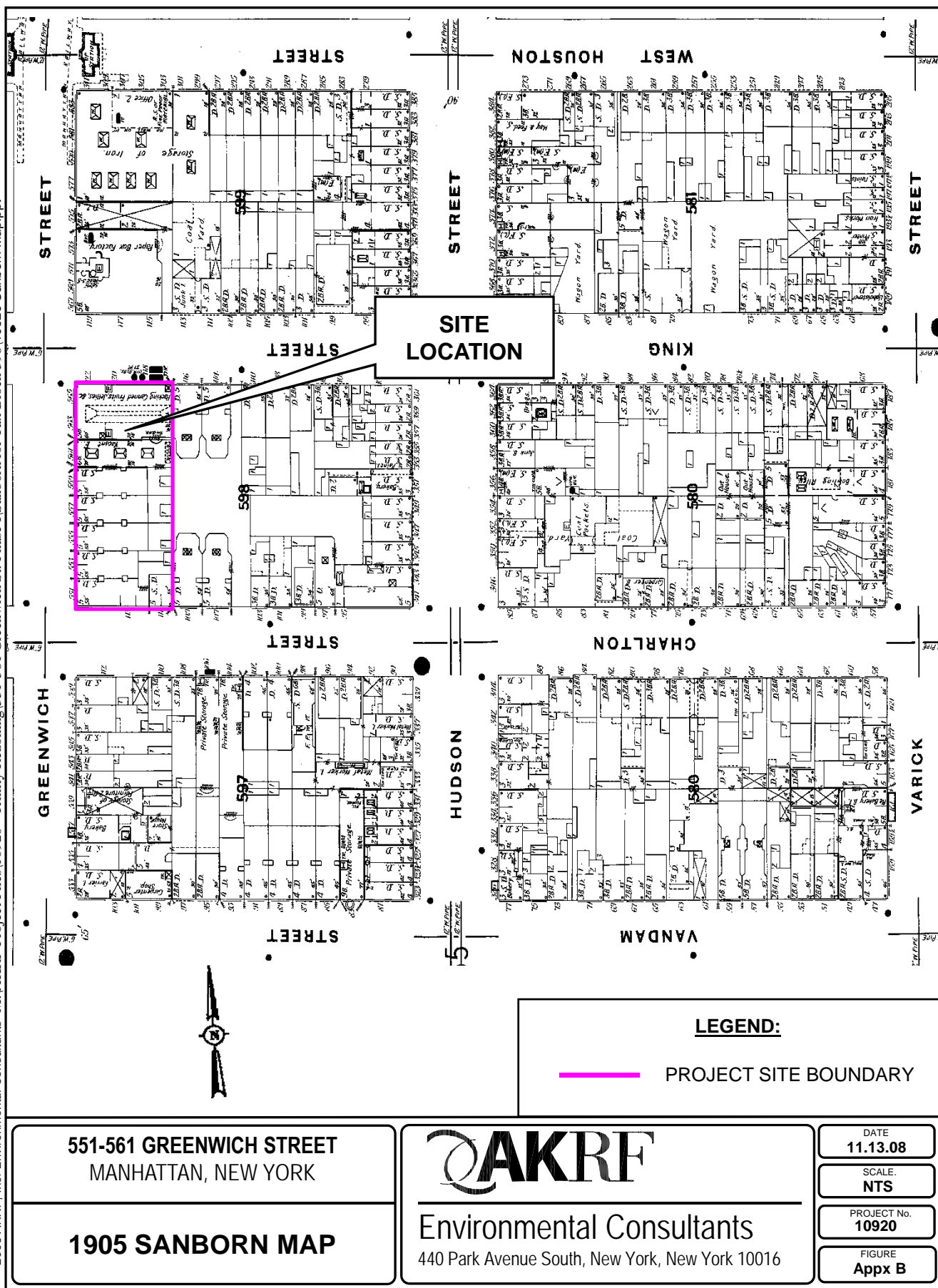
Environmental Consultants
440 Park Avenue South, New York, New York 10016

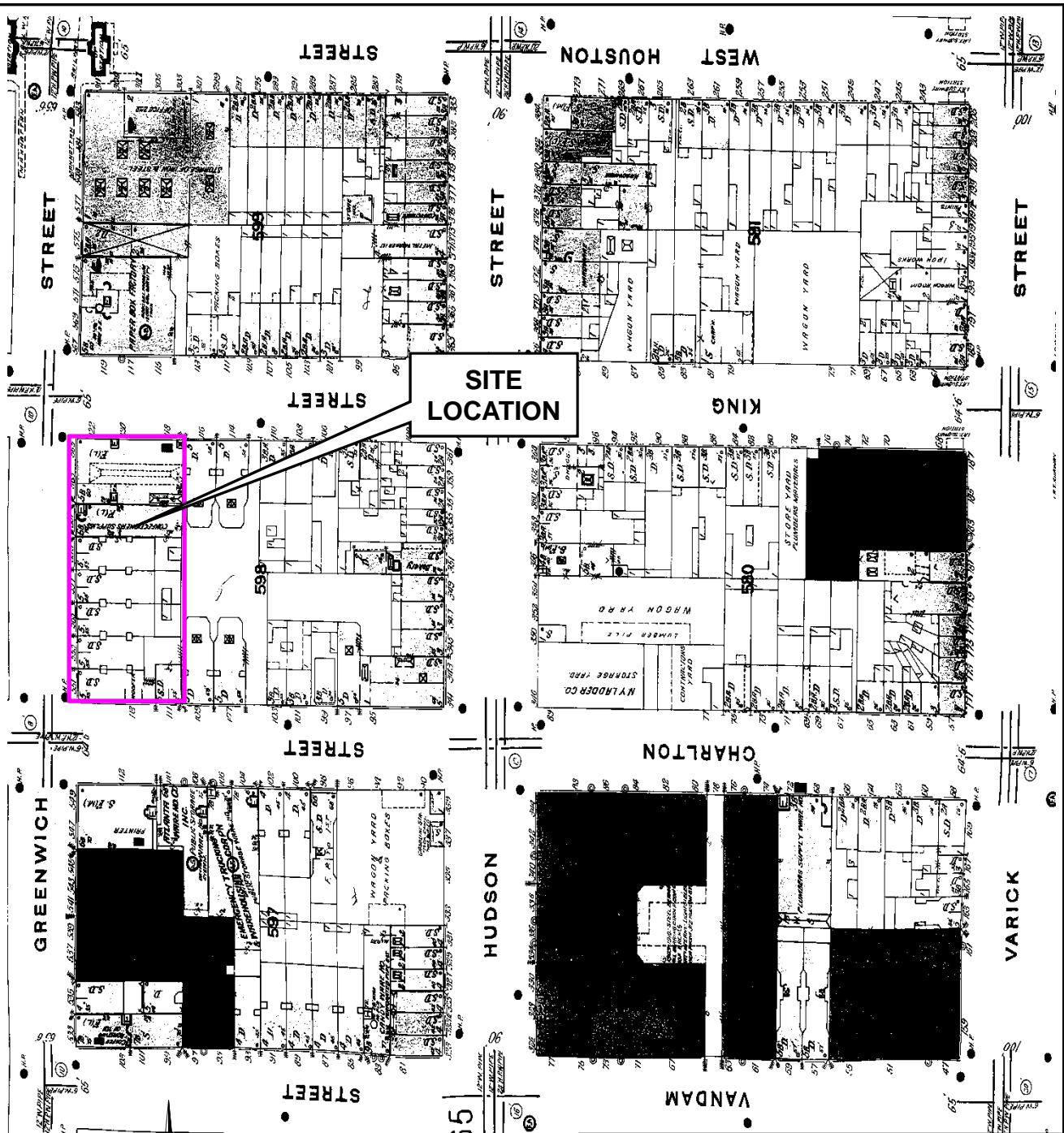
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SCALE
NTS

PROJECT No.
10920

FIGURE
Appx B





LEGEND:

— PROJECT SITE BOUNDARY

**551-561 GREENWICH STREET
MANHATTAN, NEW YORK**

1922 SANBORN MAP



Environmental Consultants

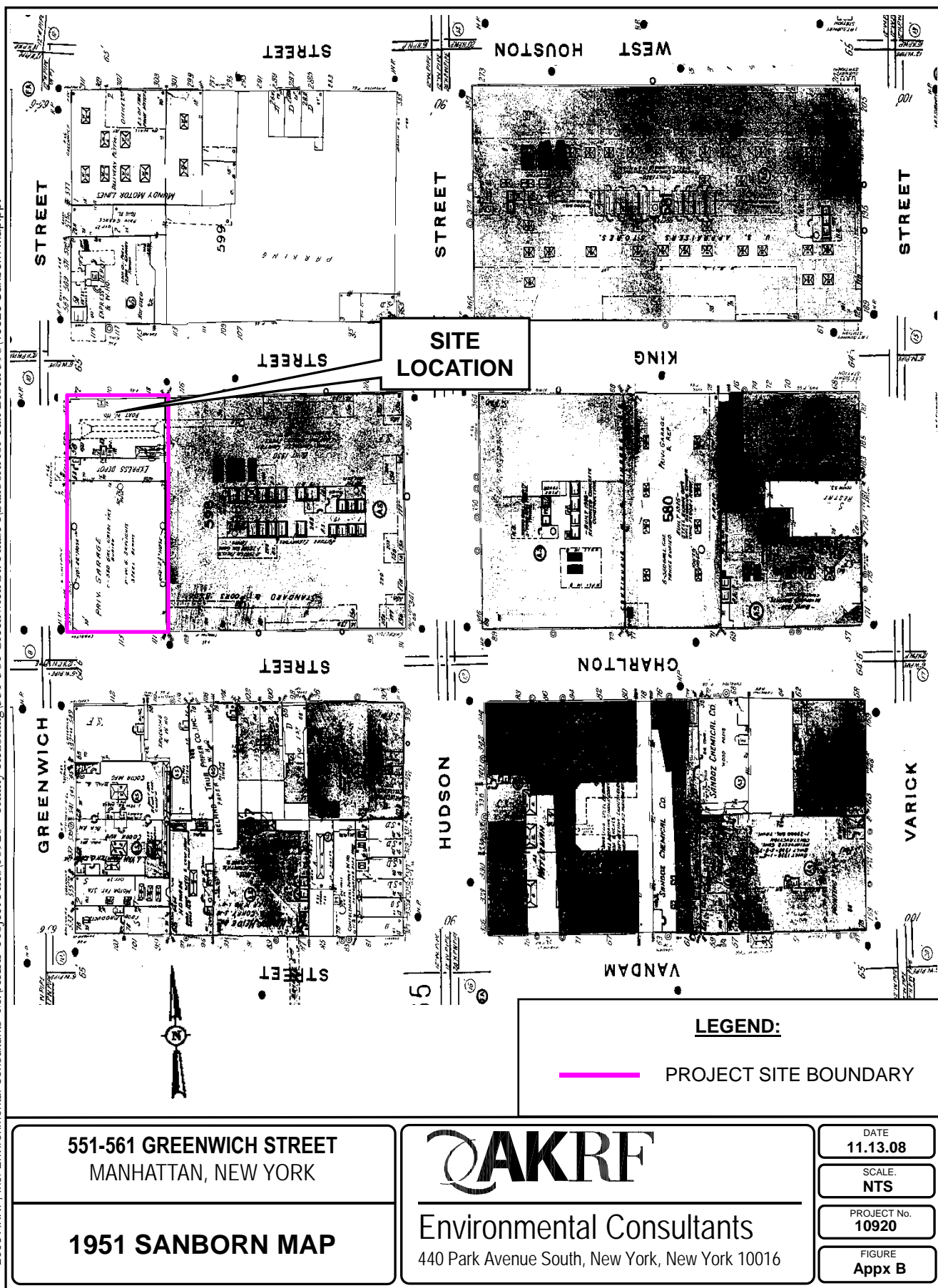
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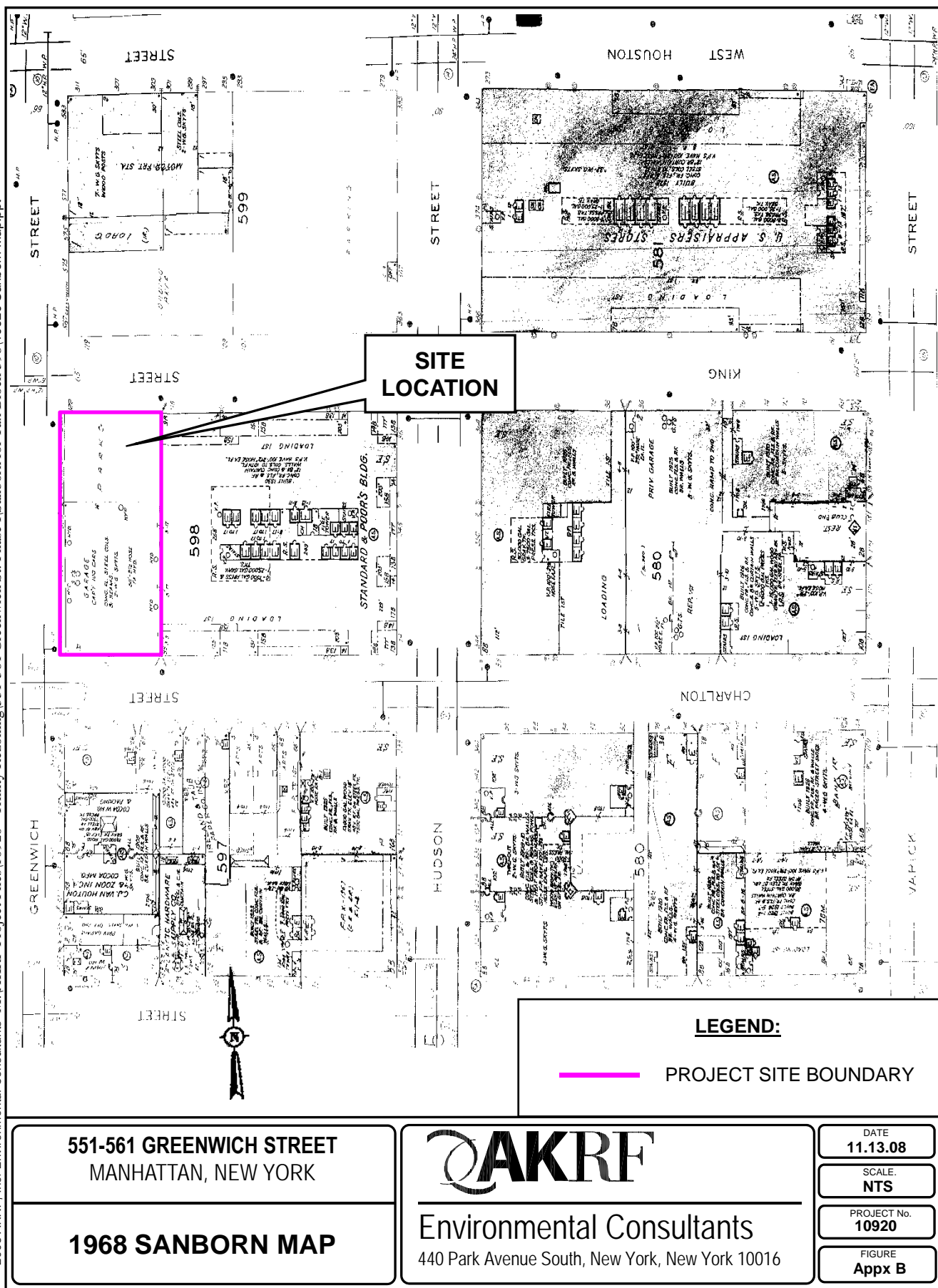
DATE
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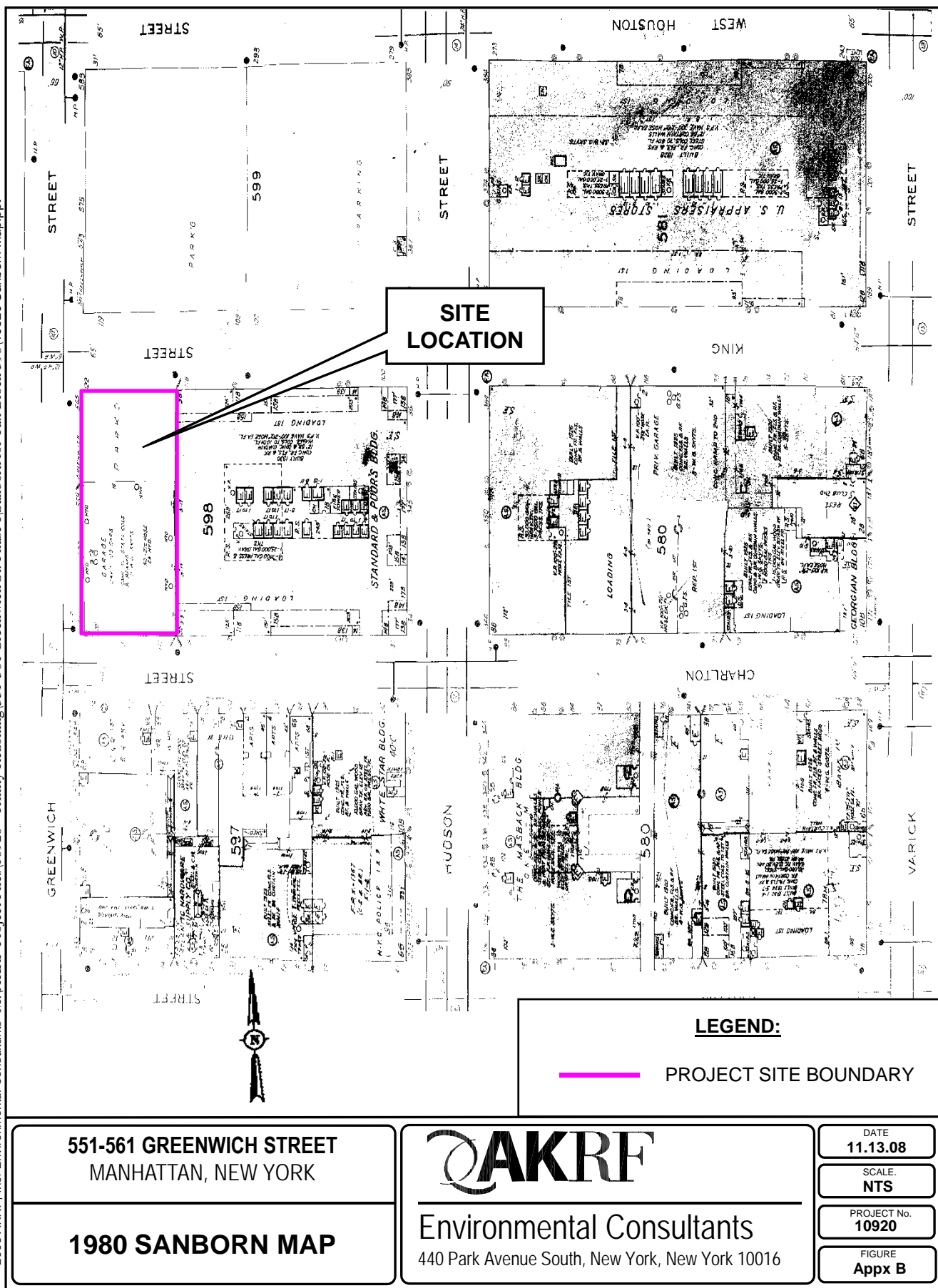
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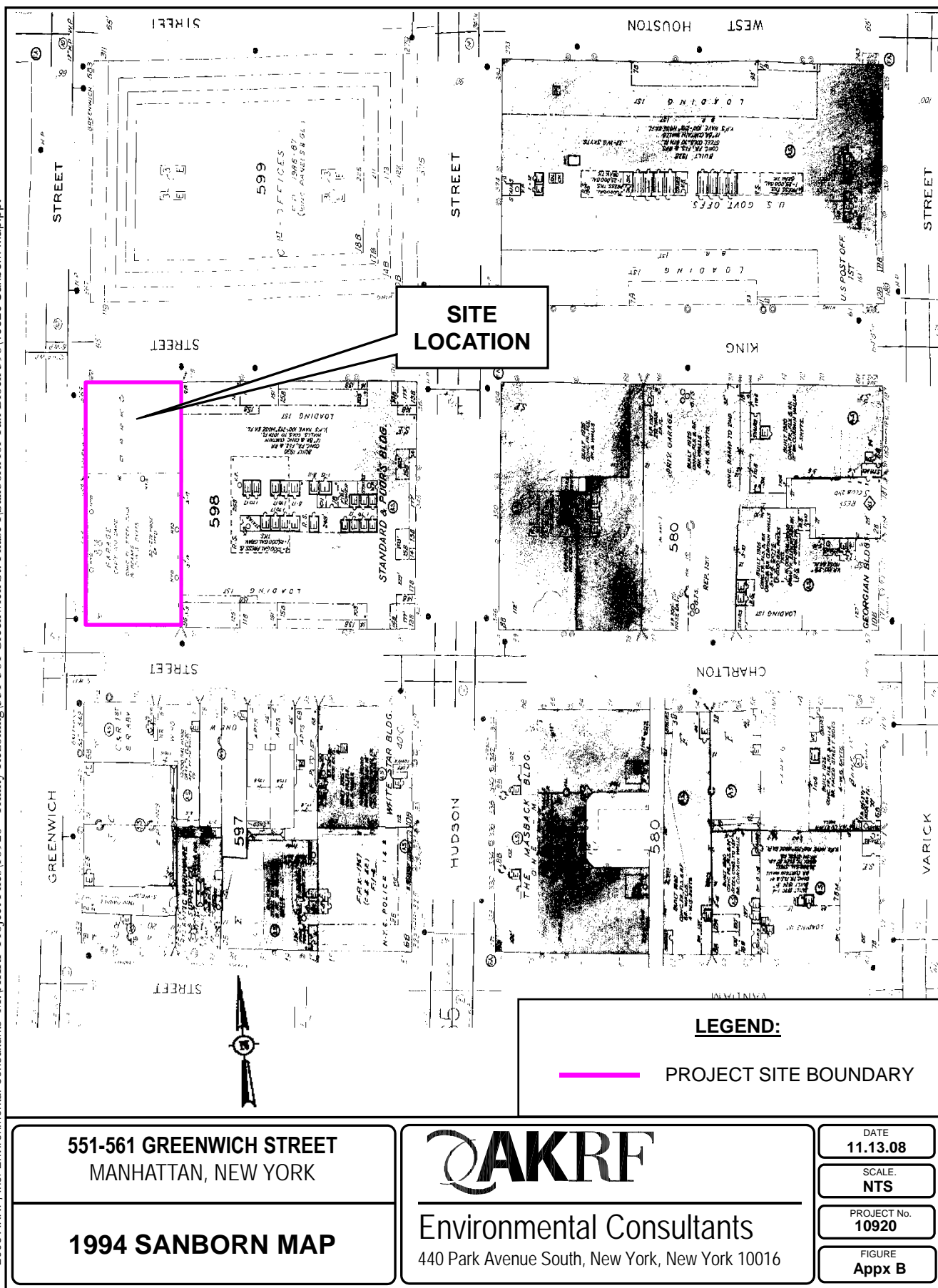
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FIGURE
Appx B

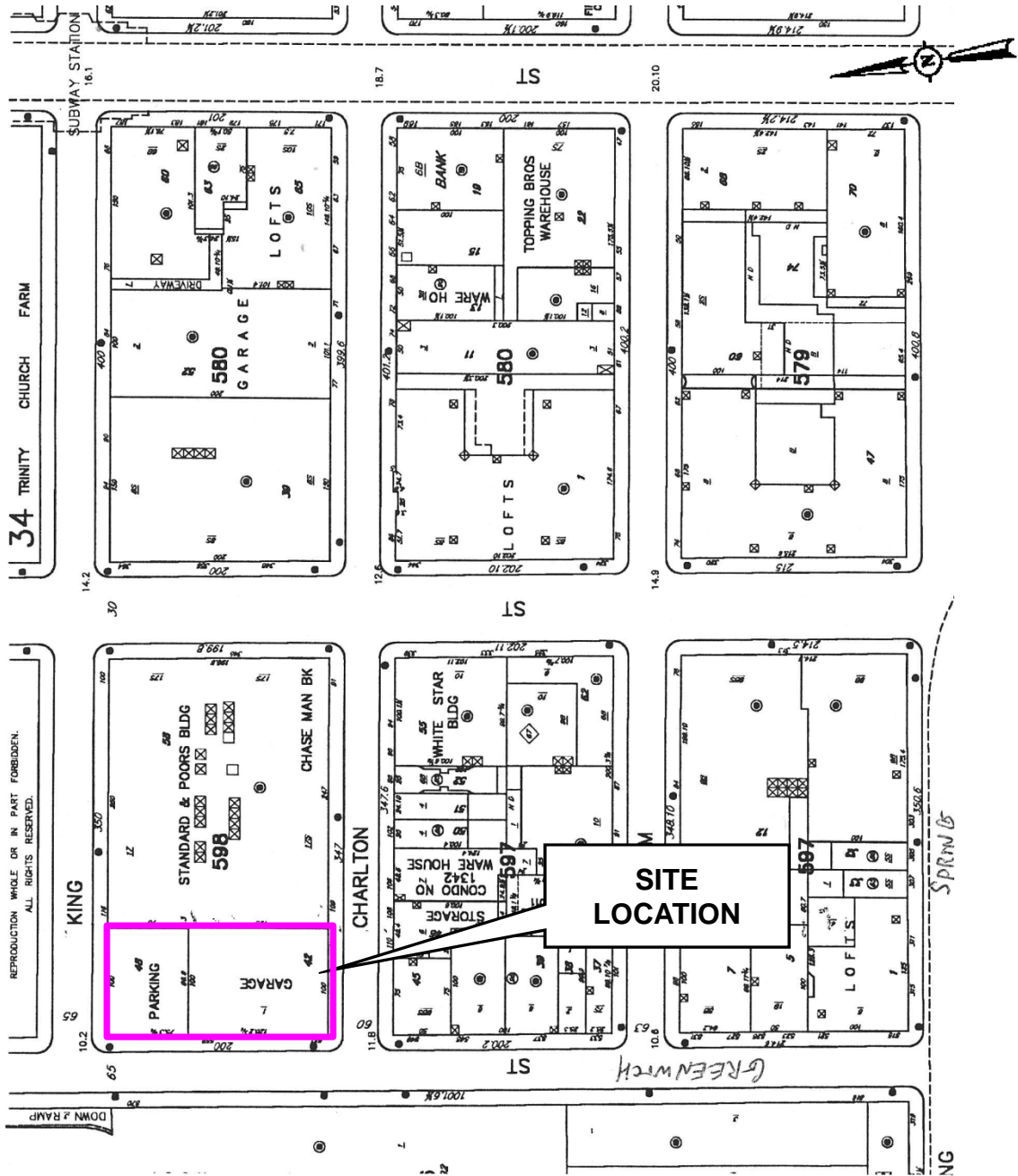








2007, p.21



LEGEND:

— PROJECT SITE BOUNDARY

**551-561 GREENWICH STREET
MANHATTAN, NEW YORK**

2007 SANBORN MAP



Environmental Consultants
440 Park Avenue South, New York, New York 10016

DATE
11.13.08

SCALE
NTS

PROJECT No.
10920

FIGURE
Appx B

APPENDIX C
REGULATORY RECORDS REVIEW

TOXICS TARGETING

PHASE I

ENVIRONMENTAL DATABASE REPORT

**551-561 GREENWICH STREET
NEW YORK, NY 10013**

NOVEMBER 12, 2008

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Who is Covered

This limited warranty is extended by Toxics Targeting, Inc. only to the original purchaser of the accompanying Environmental Report ("Report"). It may not be assigned to any other person.

What is Warranted

Toxics Targeting, Inc. warrants that it uses reasonable care to accurately transcribe the information contained in this Report from the sources from which it is obtained. This limited warranty is in lieu of all other express warranties which might otherwise arise with respect to the Report. No one is authorized to change or add to this limited warranty.

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If during the warranty period there is shown to be a material error in the transcription of the information contained in this Report from the sources from which it was obtained, Toxics Targeting, Inc. shall refund to the original purchaser the full purchase price paid for the Report. The remedy stated above is the exclusive remedy extended to the Purchaser by Toxics Targeting, Inc. for any failure of the Report to conform with this Warranty, or otherwise for breach of this Warranty or any other warranty, whether expressed or implied.

What We Won't Cover

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Period of Warranty

The period of warranty coverage is ninety days from the date of purchase of this Report. There shall be no warranty after the period of coverage. ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE SHALL HAVE NO GREATER DURATION THAN THE PERIOD OF WARRANTY STATED HERE, AND SHALL TERMINATE AUTOMATICALLY UPON THE EXPIRATION OF SUCH PERIOD. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you.

PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.

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- *How to Use Your Report*
- *Toxic Site Databases Analyzed In Your Report*
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- *Table Two: Identified Toxic Sites By Direction*
- *Table Three: Identified Toxic Sites By Category*
- *Table Four: Identified Toxic Sites By Proximity*
- *Map One: One-Mile Radius Map*
- *Map Two: Half-Mile Radius Map*
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- *Map Four: Eighth-Mile Radius Close-up Map*
- *Map Five: Tax Parcel Map*
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Section Two: Toxic Site Profiles

Section Three: Appendices

- *USEPA ERNS Check*
- *Unmappable Sites*
- *Hazardous Waste Codes*
- *Information Source Guide*

Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Environmental Report*. It checks for the presence of 25 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.
2. ***Estimates*** the distance and direction between the target address and each identified toxic site.
3. ***Reports*** air and water permit non-compliance and other regulatory violations.
4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.
5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. A close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report. Finally, a map of tax parcels and a table of selected information about those parcels are included.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information and some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

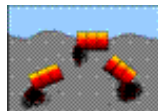
How to Use Your Report

- Check Table One to see the number of identified sites by distance intervals.
- Check Table Two to see identified sites sorted by direction.
- Check Table Three to see identified sites ranked by proximity to the target address.
- Check Table Four to see identified sites sorted by site categories.
- Use Table Five to get info for the subject parcel and every parcel found on the Tax Parcel Map
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

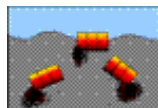
Search Radius

One-Mile



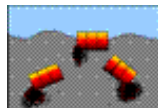
1) **National Priority List for Federal Superfund Cleanup**: a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile



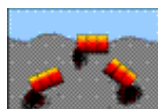
2) **Delisted National Priority List Sites**: a listing of NPL sites that have been removed from the National Priority List.

One-Mile



3) **New York Inactive Hazardous Waste Disposal Site Registry**: a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile



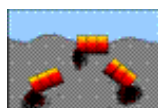
4) **New York Inactive Hazardous Waste Disposal Site Registry Qualifying**: a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile



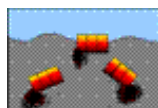
5) **RCRA Corrective Action Activity (CORRACTS)**: waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile



6) **CERCLIS** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of Non-NFRAP sites that can pose environmental or public health hazards requiring investigation or clean up.

Half-Mile



7) **CERCLIS NFRAP**: a federal listing of CERCLIS sites that have no further remedial action planned.

Half-Mile



8) **New York State Brownfield Cleanup Sites**: a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Half-Mile



9) **New York Solid Waste Facilities Registry**: active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Half-Mile



10) **New York City 1934 Solid Waste Sites**: a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Half-Mile



11) **New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities**: sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- **RCRA violations**: waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Half-Mile



12) **Toxic Spills: active and inactive or closed** spills reported to state environmental authorities, including *remediated* and *unremediated* leaking underground storage tanks. This database includes the following categories:

- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Eighth-Mile



13) **New York State Major Oil Storage Facilities:** sites with more than a 400,000 gallon capacity for storing petroleum products.

Eighth-Mile



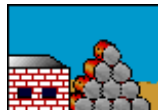
14) **New York State Petroleum Bulk Storage Facilities:** sites with more than an 1,100 gallon capacity for storing petroleum products.

Eighth-Mile



15) **New York City Fire Dept Tank Data:** tank data from 1997.

Eighth-Mile



16) **New York and Federal Hazardous Waste Generators and Transporters:** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following database:

- **RCRA violations:** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Eighth-Mile



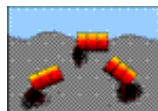
17) **New York Chemical Bulk Storage Facilities:** sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile



18) **Historic New York City Utility Sites (1890's to 1940's):** power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Half-Mile



19) **New York Hazardous Substance Disposal Site Draft Study:** a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites were not eligible for state clean up funding programs.

Eighth-Mile



20) **Federal Toxic Release Inventory Facilities:** discharges of selected toxic chemicals to air, land, water or treatment facilities.

Eighth-Mile



21) **Federal Air Discharges:** air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Eighth-Mile



22) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Eighth-Mile



23) ***Federal Civil and Administrative Enforcement Docket:*** judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

On-site only
(250 ft)



24) ***New York City Environmental Quality Review (CEQR) – E Designation Sites:*** parcels assigned a special environmental (“E”) designation under the CEQR process. E designation requires specific protocols that must be followed.

Property only



25) ***ERNS: Federal Emergency Response Notification System Spills:*** a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the **FIRST STEP** in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. **FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;**
- **UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;**
- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. **IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.**
- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. **YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;**
- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.
- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. **YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.**

Section One:

Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites By Direction*
- *Table Three: Identified Toxic Sites By Category*
- *Table Four: Identified Toxic Sites By Proximity*
- *Map One: One-Mile Radius Map*
- *Map Two: Half-Mile Radius Map*
- *Map Three: Eighth-Mile Radius Map*
- *Map Four: Eighth-Mile Radius Close up Map*
- *Map Five: Tax Parcel Map*
- *Table Five: Tax Parcel Map Information Table*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site Category Totals
ASTM-Required 1 Mile Search						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	0	0	0	0
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	0	0
RCRA Corrective Action (CORRACTS) Sites	0	0	0	0	0	0
ASTM-Required 1/2 Mile Search						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non-NFRAP Sites	0	0	0	1	Not searched	1
CERCLIS Superfund NFRAP Sites	0	1	0	0	Not searched	1
Brownfields Sites						
Voluntary Cleanup Program	0	0	0	0	Not searched	0
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	0	Not searched	0
NYSDEC Solid Waste Facilities / Landfills	0	0	0	0	Not searched	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	0	Not searched	0
NYS Toxic Spills						
Active Tank Failures	0	0	0	1	Not searched	1
Active Tank Test Failures	0	0	0	1	Not searched	1
Active Spills - Unknown / Other Causes	0	0	5	7	Not searched	12
Active Spills - Miscellaneous Causes	0	0	0(3)	1(2)	Not searched	1(5)
Closed Tank Failures	0	1	7	10	Not searched	18
Closed Tank Test Failures	0	1	9	14	Not searched	24
Closed Spills - Unknown / Other Causes	0	5	33	91	Not searched	129
Closed Spills - Miscellaneous Causes	0	19	1(47)	6(118)	Not searched	26(165)
ASTM-Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	0	0	Not searched	Not searched	Not searched	0
Local & State Petroleum Bulk Storage Sites	1	27	Not searched	Not searched	Not searched	28
RCRA Hazardous Waste Generators & Transporters	0	41	Not searched	Not searched	Not searched	41
NYS Chemical Bulk Storage Sites	0	1	Not searched	Not searched	Not searched	1
Historic Utility Facilities	0	2	Not searched	Not searched	Not searched	2
ASTM-Required On-Site Only Search						
NYC Environmental Quality Review Requirements ("E") Sites*	0	0	Not searched	Not searched	Not searched	0
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM-Required Databases Distance Interval Totals	1	98	55(50)	132(120)	0	286(170)

Numbers in () indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

* NYC Environmental Quality Review Requirements ("E") Sites were searched at 250 feet.

NOTE: Table continues on next page.

Non-ASTM Databases 1/2 Mile Search

1934 NYC Municipal Waste Landfills	0	0	0	0	Not searched	0
Hazardous Substance Waste Disposal Sites	0	1	0	0	Not searched	1

Non-ASTM Databases 1/8 Mile Search

Toxic Release Inventory Sites (TRI)	0	0	Not searched	Not searched	Not searched	0
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	0	16	Not searched	Not searched	Not searched	16
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0

Non-ASTM Databases Distance Interval Totals	0	17	0	0	Not Searched	17
<i>Distance Interval Totals</i>	<i>1</i>	<i>115</i>	<i>55(50)</i>	<i>132(120)</i>	<i>0</i>	<i>303(170)</i>

Numbers in () indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

551-561 Greenwich Street
New York, NY 10013

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
215	TRINITY CHURCH CORP.	559 GREENWICH ST	0 feet	Petroleum Bulk Storage Site

Sites between 100 ft and 400 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
61	ROADWAY	375 HUDSON ST	303 feet to the NNE	Closed Status Spill (Unk/Other Cause)
191	SAACYTHIC AND SAACYTHIC	375 HUDSON ST	303 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
246	TISHMAN SPEYER PRODUCTS	375 HUDSON STREET	255 feet to the NE	Hazardous Waste Generator/Transporter
247	QUAD GRAPHICS	375 HUDSON ST NE COR THE 1ST	255 feet to the NE	Hazardous Waste Generator/Transporter
192	VS #6447 HAS RELEASE OF XFMR OIL	KING STREET & HUDSON STREET	352 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
189	VAULT #5902	100 KING STREET AT HUDSON ST	169 feet to the E*	Closed Status Spill (Misc. Spill Cause)
216	345 HUDSON ST	345 HUDSON ST	170 feet to the E*	Petroleum Bulk Storage Site
243	BOWNE OF NEW YORK	345 HUDSON STREET	186 feet to the ESE*	Hazardous Waste Generator/Transporter
244	PARISH OF TRINITY CHURCH	345 HUDSON ST	186 feet to the ESE*	Hazardous Waste Generator/Transporter
245	BOWNE BUSINESS COMM	345 HUDSON STREET	186 feet to the ESE*	Hazardous Waste Generator/Transporter
288	JAMES NEWCOMB CO	345 HUDSON ST	201 feet to the ESE	Air Discharge Site
289	BOWNE & CO INC	345 HUDSON ST	201 feet to the ESE	Air Discharge Site
290	US BANKNOTE CORP	345 HUDSON ST	201 feet to the ESE	Air Discharge Site
291	US BANKNOTE CORP	345 HUDSON ST	201 feet to the ESE	Air Discharge Site
292	NICO CONSTRUCTION COMPANY NY	345 HUDSON ST	201 feet to the ESE	Air Discharge Site
293	NICO CONSTR CO INC	345 HUDSON STREET	201 feet to the ESE	Air Discharge Site
294	BOWNE OF NEW YORK CITY INC	345 HUDSON ST 10TH FLR	201 feet to the ESE	Air Discharge Site
193	DRUM RUN	CHARLTON ST./HUDSON ST.	365 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
254	NYCDEP	CHARLTON AND HUDSON STREETS	365 feet to the ESE	Hazardous Waste Generator/Transporter
250	GREENSPAN & KUSHLIN ENG	333 HUDSON ST	334 feet to the SE	Hazardous Waste Generator/Transporter
251	GERSON OFFSET LITHOGRAPHY	333 HUDSON STREET	334 feet to the SE	Hazardous Waste Generator/Transporter
252	LYNN ART	333 HUDSON ST - 8TH FLOOR	334 feet to the SE	Hazardous Waste Generator/Transporter
253	GREENSPAN & KUSHLIN ENGRAVING CORP	333 HUDSON ST	334 feet to the SE	Hazardous Waste Generator/Transporter
223	WHITEHALL STORAGE(WHITEHALL BUSINESS ARCHIEVES INC	333 HUDSON STREET	337 feet to the SE	Petroleum Bulk Storage Site
295	GERSON OFFSET LITHOGRAPHY	333 HUDSON ST	337 feet to the SE	Air Discharge Site
222	A B ILIBASSI REALTY CO	98 CHARLTON ST	290 feet to the SSE	Petroleum Bulk Storage Site
226	HUDSON TELECOM CENTER LLC	325 HUDSON STREET	381 feet to the SSE	Petroleum Bulk Storage Site

227	VERIZON - GLOBOL NETWORKS INC.	325 HUDSON STREET	381 feet to the SSE	Petroleum Bulk Storage Site
255	ENZO BIO CHEM INCORPORATED	325 HUDSON ST	387 feet to the SSE	Hazardous Waste Generator/Transporter
220	537 GREENWICH STREET	537 GREENWICH STREET	278 feet to the S	Petroleum Bulk Storage Site
221	UNION CARD & PAPER	537 GREENWICH ST	278 feet to the S	Petroleum Bulk Storage Site
224	V-DOG CONDOMINIUM	95 VANDAM STREET	341 feet to the S	Petroleum Bulk Storage Site
225	DAVID SILVERSTEIN	95 VANDAM ST	341 feet to the S	Petroleum Bulk Storage Site
284	UNITED PARCEL SERVICE	325 WEST HOUSTON STREET	213 feet to the WSW	Chemical Bulk Storage Facility
36	522 GREENWICH AV/MANH/UPS	522 GREENWICH AVENUE	230 feet to the WSW	Closed Status Tank Test Failure
60	MANHOLE 49087	517-19 WASHINGTON ST	230 feet to the WSW	Closed Status Spill (Unk/Other Cause)
190	320 HOUSTON/522 GREENWICH	522 GREENWICH ST	230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
217	UNITED PARCEL SERVICE	325 WEST HOUSTON STREET	236 feet to the WSW	Petroleum Bulk Storage Site
218	NEW YORK TRUCK TERMINAL	325 SPRING STREET	236 feet to the WSW	Petroleum Bulk Storage Site
219	UNITED PARCEL SERVICE	522 GREENWICH ST (320 WEST HOUSTON ST)	236 feet to the WSW	Petroleum Bulk Storage Site
248	UNITED PARCEL SERVICE	325 W HOUSTON ST	261 feet to the WSW	Hazardous Waste Generator/Transporter
249	CONSOLIDATED EDISON	MH49096-F/O 545 WASHINGTON ST	312 feet to the WSW	Hazardous Waste Generator/Transporter

Sites equal to or greater than 400 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
67	609 GREENWICH ST	609 GREENWICH ST	835 feet to the N	Closed Status Spill (Unk/Other Cause)
20		130 LEROY STREET	866 feet to the N	Closed Status Tank Failure
75		129 LEROY ST	969 feet to the N	Closed Status Spill (Unk/Other Cause)
42	627 GREENWICH STREET PROPERTY	627 GREENWICH ST	1121 feet to the N	Closed Status Tank Test Failure
209	95 MORTON ST/MANHATTAN	95 MORTON STREET	1340 feet to the N	Closed Status Spill (Misc. Spill Cause)
13	GLC PRODUCTIONS	11 WEEHAWKEN ST	1863 feet to the N	Active Haz Spill (Unknown/Other Cause)
142	SERVICE BOX 01566	258 W.10TH ST	2112 feet to the N	Closed Status Spill (Unk/Other Cause)
143	MANHOLE 36378	GREENWHICH ST/W 10TH ST	2112 feet to the N	Closed Status Spill (Unk/Other Cause)
159	406-410 WEST ST	406-410 WEST ST	2305 feet to the N	Closed Status Spill (Unk/Other Cause)
171	VACANT PROPERTY	176 PERRY ST	2427 feet to the N	Closed Status Spill (Unk/Other Cause)
178	CONSTRUCTION SITE	PERRY STREET+WEST STREET	2489 feet to the N	Closed Status Spill (Unk/Other Cause)
260	CONSOLIDATED EDISON	V1811-284 W HOUSTIN ST	431 feet to the NNE	Hazardous Waste Generator/Transporter
261	CONSOLIDATED EDISON	V1289-W HOUSTON	431 feet to the NNE	Hazardous Waste Generator/Transporter
265	LUCENT TECHNOLOGIES	395 HUDSON ST	498 feet to the NNE	Hazardous Waste Generator/Transporter
266	NEW YORK TELEPHONE COMPANY	395 HUDSON STREET	498 feet to the NNE	Hazardous Waste Generator/Transporter
297	UNITED BROTHERHOOD OF CARPENTERS/JOINERS	395 HUDSON STREET	547 feet to the NNE	Air Discharge Site
5	DEP PARKING LOT	HUDSON ST AND CLARKSON ST	725 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
79	LEROY ST/HUDSON ST	LEROY ST BY HUDSON ST	972 feet to the NNE	Closed Status Spill (Unk/Other Cause)
6	FILL PIPE LEAKED #2 FO INTO VAULT	111 LEROY STREET	1010 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
40	111 LEROY ST	111 LEROY ST	1010 feet to the NNE	Closed Status Tank Test Failure
94	STREET	HUDSON ST/ MORTON ST	1224 feet to the NNE	Closed Status Spill (Unk/Other Cause)
28	22 GROVE ST	22 GROVE ST	1884 feet to the NNE	Closed Status Tank Failure
52	CLOSED-LACKOF RECENT INFO	40 GROVE STREET	2046 feet to the NNE	Closed Status Tank Test Failure
53	APARTMENT HOUSE	40 GROVE STREET	2046 feet to the NNE	Closed Status Tank Test Failure
144	BETWEEN BEDFORD & BLEEKER	IFO #40 GROVE ST	2122 feet to the NNE	Closed Status Spill (Unk/Other Cause)
146		110 CHRISTOPHER ST	2137 feet to the NNE	Closed Status Spill (Unk/Other Cause)
212	119 CHRISTOPHER STREET	119 CHRISTOPHER STREET	2151 feet to the NNE	Closed Status Spill (Misc. Spill Cause)

156	521 HUDSON ST	521 HUDSON ST	2273 feet to the NNE	Closed Status Spill (Unk/Other Cause)
16	FORMER DOVER GARAGE	534 HUDSON STREET	2434 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
35	FORMER TAXI GARAGE	534 HUDSON STREET	2434 feet to the NNE	Closed Status Tank Failure
56	6 PRECINCT NYPD -DDC	233 WEST 10TH STREET	2469 feet to the NNE	Closed Status Tank Test Failure
57	6 PRECINCT NYPD -DDC	233 WEST 10TH STREET	2469 feet to the NNE	Closed Status Tank Test Failure
174	6TH PRECINCT NYPD -DDC	233 WEST 10TH STREET	2469 feet to the NNE	Closed Status Spill (Unk/Other Cause)
177	GAS STATION	CHARLES ST AND HUDSON ST	2482 feet to the NNE	Closed Status Spill (Unk/Other Cause)
197	SHAFT #28B	HOUSTON STREET/HUDSON STR	505 feet to the NE	Closed Status Spill (Misc. Spill Cause)
198	MANHOLE #36950	HOUSTON STREET AT HUDSON ST	505 feet to the NE	Closed Status Spill (Misc. Spill Cause)
267	CONSOLIDATED EDISON	MH36457-W HOUSTON ST & HUDSON	505 feet to the NE	Hazardous Waste Generator/Transporter
268	CONSOLIDATED EDISON	HOUSTON & HUDSON MH36950	505 feet to the NE	Hazardous Waste Generator/Transporter
269	CONSOLIDATED EDISON	MH36950 HOUSTON ST & HUDSON	505 feet to the NE	Hazardous Waste Generator/Transporter
203	BETWEEN CLARKSON	HUDSON ST/WEST HOUSTON	612 feet to the NE	Closed Status Spill (Misc. Spill Cause)
207	CLARKSON AND WEST HOUSTON	396 HUDSON STREET	658 feet to the NE	Closed Status Spill (Misc. Spill Cause)
100	34 MORTON AVENUE	34 MORTON AVENUE	1439 feet to the NE	Closed Status Spill (Unk/Other Cause)
103	BUILD ING	38 LEEROY STREET	1522 feet to the NE	Closed Status Spill (Unk/Other Cause)
119	REAR YARD OF 26 COMMERCE ST	26 COMMERCE STREET	1725 feet to the NE	Closed Status Spill (Unk/Other Cause)
131	ZITO & SONS BAKERY	259 BLEECKER ST	2019 feet to the NE	Closed Status Spill (Unk/Other Cause)
160	SERVICE BOX 26200	21 BARROW ST	2310 feet to the NE	Closed Status Spill (Unk/Other Cause)
175	209253; CORNELIA ST ST	CORNELIA ST ST	2473 feet to the NE	Closed Status Spill (Unk/Other Cause)
1	GENERAL SERVICES ADMINISTRATION	201 VARICK STREET	601 feet to the ENE	CERCLIS Superfund NFRAP Site
287	GSA BUILDING SITE	201 VARICK ST	608 feet to the ENE	Hazardous Substance Waste Disposal Site
278	CONSOLIDATED EDISON	V4429-366 HUDSON ST	625 feet to the ENE	Hazardous Waste Generator/Transporter
279	CONSOLIDATED EDISON	V 4355 - 366 HUDSON ST	625 feet to the ENE	Hazardous Waste Generator/Transporter
280	GSA	201 VARICK STREET	625 feet to the ENE	Hazardous Waste Generator/Transporter
205	201 VARICK STREET, NEW YO	201 VARICK STREET	643 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
206	SIX GAL XFMR OIL IN VS #3308	366 HUDSON STREET	643 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
242	FEDERAL OFFICE BUILDING	201 VARICK STREET	646 feet to the ENE	Petroleum Bulk Storage Site
2	NEW YORK CITY ANTHRAX SITES	31 DOWNING STREET/2 PRINCE STREET	1490 feet to the ENE	CERCLIS Superfund Non-NFRAP Site
109	DEANGELIS HOME	42 CARMINE STREET	1621 feet to the ENE	Closed Status Spill (Unk/Other Cause)
49	APARTMENT COMPLEX	26 CARMINE ST	1773 feet to the ENE	Closed Status Tank Test Failure
50	LITTLE RED SCHOOL HOUSE	272 6TH AVE	1868 feet to the ENE	Closed Status Tank Test Failure
51	LITTLE RED SCHOOL HOUSE	272 6TH AVENUE	1868 feet to the ENE	Closed Status Tank Test Failure
121	196 BLEECKER ST	196 BLEECKER STREET	1901 feet to the ENE	Closed Status Spill (Unk/Other Cause)
122	BETW BLEECKER & HOUSTON	83-85 MACDOUGAL ST	1903 feet to the ENE	Closed Status Spill (Unk/Other Cause)
138	BUILDING	193 BLEECKER STREET	2060 feet to the ENE	Closed Status Spill (Unk/Other Cause)
211	9 MINETTA ST/MANH	9 MINETTA STREET	2126 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
166	OUTSIDE	214 SULLIVAN ST	2375 feet to the ENE	Closed Status Spill (Unk/Other Cause)
228	350 HUDSON ST	350 HUDSON ST	455 feet to the E	Petroleum Bulk Storage Site
201	NYNEX GARAGE	84 KING STREET	573 feet to the E	Closed Status Spill (Misc. Spill Cause)
202		84 KING STREET	573 feet to the E	Closed Status Spill (Misc. Spill Cause)
235	VERIZON NEW YORK, INC.	84 KING STREET	574 feet to the E	Petroleum Bulk Storage Site
236	MICHAEL BRODY	71 CHARLTON ST	574 feet to the E	Petroleum Bulk Storage Site
273	NEW YORK TELEPHONE CO	84 KING ST	575 feet to the E	Hazardous Waste Generator/Transporter
208	VAULT 4222	183-187 VARICK ST	703 feet to the E	Closed Status Spill (Misc. Spill Cause)
69	HESS SPILLED #4 FO INTO XFMR VAULT 4879	IN FRONT OF 180 VARICK STREET	852 feet to the E	Closed Status Spill (Unk/Other Cause)
48		2 KING ST	1547 feet to the E	Closed Status Tank Test Failure
105	JACK CAUFMAN	2 KING ST	1547 feet to the E	Closed Status Spill (Unk/Other Cause)
149	OIL ON SOIL IN EXCAVATION	110 WEST HOUSTON STREET	2178 feet to the E	Closed Status Spill (Unk/Other Cause)
181	155 WOOSTER ST	155 WOOSTER ST	2514 feet to the E	Closed Status Spill (Unk/Other Cause)

187	TEMPORARY FUEL TANK	505 W BROADWAY	2618 feet to the E	Closed Status Spill (Unk/Other Cause)
238	74 CHARLTON ST.	74 CHARLTON STREET	597 feet to the ESE	Petroleum Bulk Storage Site
239	REX ENVELOPE CO	74 CHARLTON ST	597 feet to the ESE	Petroleum Bulk Storage Site
68	208152; CHARLTON ST	CHARLTON ST	842 feet to the ESE	Closed Status Spill (Unk/Other Cause)
71	SUBWAY TUNNEL	VARICK ST/VANDAM ST	928 feet to the ESE	Closed Status Spill (Unk/Other Cause)
74	208130; CHARLTON ST	CHARLTON ST	950 feet to the ESE	Closed Status Spill (Unk/Other Cause)
83	160-170 VARICK ST	160-170 VARICK ST	1000 feet to the ESE	Closed Status Spill (Unk/Other Cause)
41	LITTLE RED SCHOOL HOUSE	40 CHARLTON STREET	1073 feet to the ESE	Closed Status Tank Test Failure
99		6TH AVE/CHARLTON ST	1423 feet to the ESE	Closed Status Spill (Unk/Other Cause)
120		131 SULLIVAN ST	1830 feet to the ESE	Closed Status Spill (Unk/Other Cause)
130	AT INTRSCN PRNC&THMPSN	PRINCE ST/ THOMPSON ST	2000 feet to the ESE	Closed Status Spill (Unk/Other Cause)
54	APARTMENT BUILDING	159 PRINCE STREET	2111 feet to the ESE	Closed Status Tank Test Failure
150	157 SPRING ST.	157 SPRING ST.	2220 feet to the ESE	Closed Status Spill (Unk/Other Cause)
151	MANHOLE #49688	W BROADWAY & PRINCE ST	2224 feet to the ESE	Closed Status Spill (Unk/Other Cause)
55	PROPERTIES SOLUTIONS	155 SPRING STREET	2262 feet to the ESE	Closed Status Tank Test Failure
34	105 WOOSTER STREET	105 WOOSTER STREET	2368 feet to the ESE	Closed Status Tank Failure
176	PRINCE STREET	PRINCE ST & WOOSTER ST	2481 feet to the ESE	Closed Status Spill (Unk/Other Cause)
182		149 WOOSTER ST	2522 feet to the ESE	Closed Status Spill (Unk/Other Cause)
183	124 PRINCE ST/MANHATTAN	124 PRINCE STREET	2544 feet to the ESE	Closed Status Spill (Unk/Other Cause)
58	SPRING STREET ASSOCIATES	131-137 SPRING ST	2561 feet to the ESE	Closed Status Tank Test Failure
63	COMMERCIAL SITE	330 HUDSON STREET	522 feet to the SE	Closed Status Spill (Unk/Other Cause)
233	330 HUDSON STREET	330 HUDSON STREET	525 feet to the SE	Petroleum Bulk Storage Site
234	326 HUDSON ST	326 HUDSON ST	525 feet to the SE	Petroleum Bulk Storage Site
272	THE RECTOR TRINITY CHURCH	330 HUDSON ST	548 feet to the SE	Hazardous Waste Generator/Transporter
46	COMERCIAL PROPERTY	155 6TH AVE	1328 feet to the SE	Closed Status Tank Test Failure
101	6TH AVENUE / SPRING ST	6TH AVENUE / SPRING ST	1490 feet to the SE	Closed Status Spill (Unk/Other Cause)
17	MOBIL S/S#17-AML	140-52 6TH AVE	1644 feet to the SE	Active Haz Spill (Misc. Spill Cause)
115	MANHOLE 346277	140 6TH AVE	1644 feet to the SE	Closed Status Spill (Unk/Other Cause)
116	MOBIL S/S #17-AML	140-52 6TH AVE	1644 feet to the SE	Closed Status Spill (Unk/Other Cause)
117	MOBIL S/S #17-AML	140-52 6TH AVE	1644 feet to the SE	Closed Status Spill (Unk/Other Cause)
118	MOBIL 17-AML	140-52 6TH AVE	1644 feet to the SE	Closed Status Spill (Unk/Other Cause)
132	MANHOLE #45940	THOMPSON ST & BROOME ST	2020 feet to the SE	Closed Status Spill (Unk/Other Cause)
133	204718; NE THOMPSON ST & BROOM	NE THOMPSON ST & BROOM	2020 feet to the SE	Closed Status Spill (Unk/Other Cause)
134	CONSTRUCTION	BROOME STREET & THOMPSON	2020 feet to the SE	Closed Status Spill (Unk/Other Cause)
135	THREE GAL UNK OIL IN MANHOLE 45940	THOMPSON STREET & BROOME ST	2020 feet to the SE	Closed Status Spill (Unk/Other Cause)
136	FOUR GAL UNK OIL IN MANHOLE 45949	THOMPSON ST & BROOME STREET	2020 feet to the SE	Closed Status Spill (Unk/Other Cause)
141	MANHOLE #TM3851	IFO 27-35 THOMPSON ST	2092 feet to the SE	Closed Status Spill (Unk/Other Cause)
32	390 WEST BROADWAY	390 WEST BROADWAY	2116 feet to the SE	Closed Status Tank Failure
147		32 THOMPSON ST	2164 feet to the SE	Closed Status Spill (Unk/Other Cause)
33	W & J GARAGE	360 WEST BROADWAY	2172 feet to the SE	Closed Status Tank Failure
154	ABANDON GAS	350 WEST BROADWAY	2247 feet to the SE	Closed Status Spill (Unk/Other Cause)
155	CONSTRUCTIO PROJ	350 WEST BROADWAY	2247 feet to the SE	Closed Status Spill (Unk/Other Cause)
158	MANHOLE 49632 IN FRONT OF	338-42 WEST BROADWAY	2298 feet to the SE	Closed Status Spill (Unk/Other Cause)
4	BRT REALITY TRUST	476 BROOME STREET	2585 feet to the SE	Active Tank Test Failure
59	REAL ESTATE TRANS.	476 BROOME STREET	2585 feet to the SE	Closed Status Tank Test Failure
185	VAULT 8161	WOOSTER ST/GRAND ST	2617 feet to the SE	Closed Status Spill (Unk/Other Cause)
186	VAULT # 8161	WEST WORCHESTER/GRAND STR	2617 feet to the SE	Closed Status Spill (Unk/Other Cause)
270	CONSOLIDATED EDISON	V8370-VAN DAM & HUDSON	534 feet to the SSE	Hazardous Waste Generator/Transporter
271	CONSOLIDATED EDISON	MH37320-HUDSON AVE & VANDAM ST	534 feet to the SSE	Hazardous Waste Generator/Transporter
199	315 HUDSON STREET	315 HUDSON STREET	572 feet to the SSE	Closed Status Spill (Misc. Spill Cause)

200	315 HUDSON ST	315 HUDSON ST	572 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
237	315 HUDSON STREET	315 HUDSON STREET	576 feet to the SSE	Petroleum Bulk Storage Site
275	PRUDENTIAL SECURITIES	315 HUDSON ST	618 feet to the SSE	Hazardous Waste Generator/Transporter
276	CONSOLIDATED EDISON	MH56576	618 feet to the SSE	Hazardous Waste Generator/Transporter
277	CONSOLIDATED EDISON	MH56576-F/O 90 VANDAM ST	618 feet to the SSE	Hazardous Waste Generator/Transporter
23	ALISON ON DOMINICK ST	38 DOMINICK ST	1156 feet to the SSE	Closed Status Tank Failure
110	MANHOLE 47359	WATTS ST AND VARICK ST	1627 feet to the SSE	Closed Status Spill (Unk/Other Cause)
111	VARICK STREET APPROACH OF	HOLLAND TUNNEL	1627 feet to the SSE	Closed Status Spill (Unk/Other Cause)
112	VARICK ST-DIESEL DRUM	VARICK STREET/WATTS	1627 feet to the SSE	Closed Status Spill (Unk/Other Cause)
113	MH 49437	WATTS AND VARICK ST	1627 feet to the SSE	Closed Status Spill (Unk/Other Cause)
114	MANHOLE #47359	VARICK & WATT ST	1627 feet to the SSE	Closed Status Spill (Unk/Other Cause)
12	TRINITY CHURCH BLDG - MISC	75 VARICK ST	1667 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
27	HRH CONSTRUCTION CORP	101 AVENUE OF AMERICAS	1834 feet to the SSE	Closed Status Tank Failure
29	CHASE BANK	74 VARICK STREET	1969 feet to the SSE	Closed Status Tank Failure
210	VARICK ST.& CANAL ST. / N	VARICK ST. & CANAL ST.	2002 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
145	GARAGE	74-88 AVE OF AMERICA'S	2125 feet to the SSE	Closed Status Spill (Unk/Other Cause)
148	MANHOLE 45918	GRAND ST/ THOMPSON ST	2172 feet to the SSE	Closed Status Spill (Unk/Other Cause)
157	EXIT 5 ST JOHNS ROTARY	LAIGHT ST/VARICK ST	2279 feet to the SSE	Closed Status Spill (Unk/Other Cause)
161	MANHOLE 46247	CANAL ST/6TH AVE	2315 feet to the SSE	Closed Status Spill (Unk/Other Cause)
162	MANHOLE 46253	CANAL ST/6TH AVE	2315 feet to the SSE	Closed Status Spill (Unk/Other Cause)
165	WEST BROADWAY	AND GRAND ST	2375 feet to the SSE	Closed Status Spill (Unk/Other Cause)
169	MH 46247	CANAL ST/LAIGHT ST	2382 feet to the SSE	Closed Status Spill (Unk/Other Cause)
214	CANAL STREET PUMP STATION	CANAL STREET / PUMP STAT.	2382 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
172	MANHOLE 46243	IFO 55 6TH AV	2466 feet to the SSE	Closed Status Spill (Unk/Other Cause)
173	MANHOLE # 46243	IFO 55 6TH AVE	2466 feet to the SSE	Closed Status Spill (Unk/Other Cause)
179	COMMERCIAL PROPERTY	325 WEST BROADWAY	2494 feet to the SSE	Closed Status Spill (Unk/Other Cause)
180	MANHOLE 46243	47-61 AVE OF AMERICAS	2498 feet to the SSE	Closed Status Spill (Unk/Other Cause)
3	MOBIL S/S	386 CANAL STREET	2578 feet to the SSE	Active Tank Failure
184	CONSTRUCTION SITE	311 WEST BROADWAY	2600 feet to the SSE	Closed Status Spill (Unk/Other Cause)
286	VANDAM ST	92-98 VANDAM ST	474 feet to the S	Historic Utility Site
240	TRIDENT MAILING SERVICE	315 SPRING ST	604 feet to the S	Petroleum Bulk Storage Site
241	515 GREENWICH STREET	515 GREENWICH STREET	604 feet to the S	Petroleum Bulk Storage Site
19	507-509 GREENWICH ST	507-509 GREENWICH ST	803 feet to the S	Closed Status Tank Failure
37	507-509 GREENWICH STREET	507-509 GREENWICH STREET	803 feet to the S	Closed Status Tank Test Failure
70	499 GREENWICH STREET	499 GREENWICH STREET	870 feet to the S	Closed Status Spill (Unk/Other Cause)
73	DRUM RUN	31 RENWICK STREET	947 feet to the S	Closed Status Spill (Unk/Other Cause)
84	VACANT BUILDING	23 RENWICK STREET	1010 feet to the S	Closed Status Spill (Unk/Other Cause)
92	BLOCK 594 LOT 56	243-257 HUDSON ST	1133 feet to the S	Closed Status Spill (Unk/Other Cause)
8	501-503 CANAL ST.	231-239 HUDSON ST.	1214 feet to the S	Active Haz Spill (Unknown/Other Cause)
9	GAS STATION	475 GREENWICH ST.	1315 feet to the S	Active Haz Spill (Unknown/Other Cause)
97	STREET CORNER	500 CANAL STREET	1315 feet to the S	Closed Status Spill (Unk/Other Cause)
102	ROADWAY	CANAL AT HUDSON ST	1518 feet to the S	Closed Status Spill (Unk/Other Cause)
47	C TRUE BLDG CORP	465 GREENWICH ST	1519 feet to the S	Closed Status Tank Test Failure
106	HOLLAND TUNNEL	HUDSON STREET	1573 feet to the S	Closed Status Spill (Unk/Other Cause)
107	HOLLAND TUNNEL	CANAL AND HUDSON	1573 feet to the S	Closed Status Spill (Unk/Other Cause)
108	HUDSON AND CANAL STREET	HUDSON AND CANAL STREET	1573 feet to the S	Closed Status Spill (Unk/Other Cause)
123	MH 37285	HUDSON ST & VESTRY ST	1905 feet to the S	Closed Status Spill (Unk/Other Cause)
124	MANHOLE #37285	VESTRY ST/HUDSON ST	1905 feet to the S	Closed Status Spill (Unk/Other Cause)
137	MANHOLE 37957	34 LAIGHT ST	2060 feet to the S	Closed Status Spill (Unk/Other Cause)
14	48 LAIGHT STREET	48 LAIGHT STREET	2073 feet to the S	Active Haz Spill (Unknown/Other Cause)
139	48 LAIGHT STREET	48 LAIGHT STREET	2073 feet to the S	Closed Status Spill (Unk/Other Cause)
15	MANHOLE 37278	LAIGHT ST/HUDSON ST	2144 feet to the S	Active Haz Spill (Unknown/Other Cause)

152	157 HUDSON ST	157 HUDSON ST	2245 feet to the S	Closed Status Spill (Unk/Other Cause)
153	LASTGAST LTD	157 HUDSON ST	2245 feet to the S	Closed Status Spill (Unk/Other Cause)
163	UNDERGROUNDS AT	151 HUDSON ST	2316 feet to the S	Closed Status Spill (Unk/Other Cause)
164	205829; 149 HUDSON ST	149 HUDSON ST	2338 feet to the S	Closed Status Spill (Unk/Other Cause)
167	MANHOLE #37270	HUDSON ST/HUBERT ST	2378 feet to the S	Closed Status Spill (Unk/Other Cause)
170	HOLLAND TUNNEL EXIT	NEW YORK BOUND ROTARY	2408 feet to the S	Closed Status Spill (Unk/Other Cause)
188	MANHOLE 37268	ERICKSON PL & HUDSON ST	2636 feet to the S	Closed Status Spill (Unk/Other Cause)
256	CONSOLIDATED EDISON	MH6319-VANDAM ST & GREENWICH	427 feet to the SSW	Hazardous Waste Generator/Transporter
257	CONSOLIDATED EDISON	MH6319-VANDAM ST & GREENWICH	427 feet to the SSW	Hazardous Waste Generator/Transporter
258	CON EDISION - MH36314	VANDAM ST. AND GREENWICH ST. V	427 feet to the SSW	Hazardous Waste Generator/Transporter
259	CONSOLIDATED EDISON	MH36314-GREENWICH & VANDAM ST	427 feet to the SSW	Hazardous Waste Generator/Transporter
285	UNKNOWN	VAN DAM /GREENWICH	427 feet to the SSW	Historic Utility Site
82	LIBERTY VIEW CORP	533 CANAL ST	1000 feet to the SSW	Closed Status Spill (Unk/Other Cause)
7	VACANT PROPETRY	527 CANAL STREET	1042 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
89	WASHINGTON ST NEAR	CANAL ST	1059 feet to the SSW	Closed Status Spill (Unk/Other Cause)
90	MANHOLE 28488	CANAL ST/WASHINGTON ST	1059 feet to the SSW	Closed Status Spill (Unk/Other Cause)
24	MOBIL S/S#17-JYX	290 WEST STREET	1250 feet to the SSW	Closed Status Tank Failure
25	EXXONMOBIL S/S	290 WEST STREET	1250 feet to the SSW	Closed Status Tank Failure
43	EXXONMOBIL S/S	290 WEST STREET	1250 feet to the SSW	Closed Status Tank Test Failure
44	MOBIL S/S	290 WEST STREET	1250 feet to the SSW	Closed Status Tank Test Failure
45	EXXONMOBIL #11713	290 WEST ST	1250 feet to the SSW	Closed Status Tank Test Failure
95	MOBIL SERVICE STATION	CANAL ST / WEST SIDE HWY	1250 feet to the SSW	Closed Status Spill (Unk/Other Cause)
96	MOBIL SERVICE STATION	290 WEST STREET	1250 feet to the SSW	Closed Status Spill (Unk/Other Cause)
26	HUDSON RIVER PARK	WEST ST/ WATT ST	1533 feet to the SSW	Closed Status Tank Failure
104		WEST ST/WATT ST	1533 feet to the SSW	Closed Status Spill (Unk/Other Cause)
11	MANHOLE 49054 N/E CRN OF	WASHINGTON/DESBROSSES ST	1664 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
125	SERVICE BX 51689	IFO 265 WEST ST	1920 feet to the SSW	Closed Status Spill (Unk/Other Cause)
126	ABANDONED GAS STATION	415 WASHINGTON ST/LEIGHT	1976 feet to the SSW	Closed Status Spill (Unk/Other Cause)
127	PARKING LOT	415 WASHINGTON ST/LEIGHT	1976 feet to the SSW	Closed Status Spill (Unk/Other Cause)
128	415 WASHINGTON ST - MISC	415 WASHINGTON ST	1976 feet to the SSW	Closed Status Spill (Unk/Other Cause)
129	HUDSON RIVER/PIER 2632	HUDSON RIVER/PIER 2632	1984 feet to the SSW	Closed Status Spill (Unk/Other Cause)
30	63 VESTRY STREET	67 VESTRY STREET	2003 feet to the SSW	Closed Status Tank Failure
31	259 WEST STREET	259 WEST STREET	2061 feet to the SSW	Closed Status Tank Failure
213	399 WASHINGTON STREET	399 WASHINGTON STREET	2299 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
21	MANHATTAN WEST 01 DOS -DDC	297 WEST STREET	929 feet to the SW	Closed Status Tank Failure
38	297 WEST STREET	297 WEST STREET	929 feet to the SW	Closed Status Tank Test Failure
39	DEPT OF SANITATION	297 WEST STREET	929 feet to the SW	Closed Status Tank Test Failure
72	NYC SANITATION GARAGE	297 WEST STREET	929 feet to the SW	Closed Status Spill (Unk/Other Cause)
80	HUDSON RIVER	CANAL ST	997 feet to the SW	Closed Status Spill (Unk/Other Cause)
81	HUDSON RIVER	CANAL STREET	997 feet to the SW	Closed Status Spill (Unk/Other Cause)
85	HOLLAND TUNNEL/HUDSON RVR	HOLLAND TUNNEL/HUDSON RVR	1036 feet to the SW	Closed Status Spill (Unk/Other Cause)
86	HOLLAND TUNNEL	HOLLAND TUNNEL TO JERSEY	1036 feet to the SW	Closed Status Spill (Unk/Other Cause)
87	AT EASTRAMIC OF HOLLAND T	AT EASTRAMIC HOLLAND TUNN	1036 feet to the SW	Closed Status Spill (Unk/Other Cause)
88	HUDSON RIVER/HOLLAND TUNN	NO OF PIER/HOLLAND TUNNEL	1036 feet to the SW	Closed Status Spill (Unk/Other Cause)
93	IFO 596 CANAL ST	IFO 596 CANAL ST	1138 feet to the SW	Closed Status Spill (Unk/Other Cause)
64	VAULT 329	340 WEST STREET (BAY 37)	623 feet to the WSW	Closed Status Spill (Unk/Other Cause)
204	330 WEST STREET	330 WEST STREET	636 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
281	CONSOLIDATED EDISON	MH51728 330 WEST ST	636 feet to the WSW	Hazardous Waste Generator/Transporter
282	NALCO CHEMICAL CO BLOOMBERG FIN MKT	330 WEST ST	636 feet to the WSW	Hazardous Waste Generator/Transporter
283	CONSOLIDATED EDISON	MH31736 328 WEST ST	648 feet to the WSW	Hazardous Waste Generator/Transporter

296	TISHMAN CONSTRUCTION	570 WASHINGTON STREET	451 feet to the WNW	Air Discharge Site
262	MERRILL LYNCH	570 WASHINGTON ST	469 feet to the WNW	Hazardous Waste Generator/Transporter
18	560 WASHINGTON ST	560 WASHINGTON ST	498 feet to the WNW	Closed Status Tank Failure
62	VAULT 426	344 WEST ST	498 feet to the WNW	Closed Status Spill (Unk/Other Cause)
194	MCI	560 WASHINGTON ST	498 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
195		560 WASHINGTON ST	498 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
196	MAN HOLE #V0426	344 WEST ST	498 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
230	350 WEST STREET	350 WEST STREET	498 feet to the WNW	Petroleum Bulk Storage Site
231	MERRILL LYNCH & CO., INC.	570 WASHINGTON STREET	498 feet to the WNW	Petroleum Bulk Storage Site
232	MCI - NEYCNV	560 WASHINGTON STREET	498 feet to the WNW	Petroleum Bulk Storage Site
76	HUDSON RIVER - PIER 40	WEST SIDE HIGHWAY	971 feet to the WNW	Closed Status Spill (Unk/Other Cause)
77	PIER 40 / HOLLAND TUNNEL	PIER 40 / HOLLAND TUNNEL	971 feet to the WNW	Closed Status Spill (Unk/Other Cause)
78	HUDSON RVR SOUTH PIER 40	HUDSON RVR SOUTH PIER 40	971 feet to the WNW	Closed Status Spill (Unk/Other Cause)
66	WEST HOUSTON & WEST ST	W. HOUSTON & WEST ST	767 feet to the NW	Closed Status Spill (Unk/Other Cause)
229	UNITED PARCEL	320 W HOUSTON ST	465 feet to the NNW	Petroleum Bulk Storage Site
263	UNITED PARCEL SERVICE	320 W HOUSTON ST	474 feet to the NNW	Hazardous Waste Generator/Transporter
264	CONSOLIDATED EDISON	MH36933 W HOUSTON & WASHINGTON	484 feet to the NNW	Hazardous Waste Generator/Transporter
298	RED BALL INTERIOR DEMLTN CORP	575 WASHINGTON STREET	601 feet to the NNW	Air Discharge Site
299	RED BALL INTERIOR DEMOLITION	575 WASHINGTON ST	601 feet to the NNW	Air Discharge Site
300	UNITED INTERIOR DEMO	575 WASHINGTON AVE.	601 feet to the NNW	Air Discharge Site
301	UNITED INTERIOR DEMO	575 WASHINGTON AVENUE	601 feet to the NNW	Air Discharge Site
302	HESCO ENVIRONMENTAL SAFETY	56 CLARKSON STREET	601 feet to the NNW	Air Discharge Site
303	HESCO ENVIRON SAFETY	56 CLARKSON ST	601 feet to the NNW	Air Discharge Site
274	RED BALL INTERIOR DEMOLITION CORP	575 WASHINGTON ST	608 feet to the NNW	Hazardous Waste Generator/Transporter
65	CLARKSON ST/WASHINGTON ST	CLARKSON ST/WASHINGTON ST	709 feet to the NNW	Closed Status Spill (Unk/Other Cause)
22	YELLOW FREIGHT	149 LEROY ST	1109 feet to the NNW	Closed Status Tank Failure
91	YELLOW FREIGHT	149 LEROY ST	1109 feet to the NNW	Closed Status Spill (Unk/Other Cause)
98	STATE PROJECT 9A	WEST ST & MORTON ST	1353 feet to the NNW	Closed Status Spill (Unk/Other Cause)
10	148 BARROW STREET	148 BARROW STREET	1595 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
140	MORTON ST-GREENWICH VILL.	PIER 42 -MORTON ST	2077 feet to the NNW	Closed Status Spill (Unk/Other Cause)
168	HUDSON RIVER	PIER 49 TO ELLIS ISLAND	2381 feet to the NNW	Closed Status Spill (Unk/Other Cause)

Identified Toxic Sites by Category

551-561 Greenwich Street
New York, NY 10013

* Compass directions can vary substantially for sites located very close to the subject property address.

CERCLIS Superfund Non-NFRAP Sites -- Total Sites - 1			Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2	NYN000205899	NEW YORK CITY ANTHRAX SITES	31 DOWNING STREET/2 PRINCE STREET	1490 feet to the ENE
CERCLIS Superfund NFRAP Sites -- Total Sites - 1			Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	NY8470000128	GENERAL SERVICES ADMINISTRATION	201 VARICK STREET	601 feet to the ENE
Active Tank Failures -- Total Sites - 1			Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3	8802456	MOBIL S/S	386 CANAL STREET	2578 feet to the SSE
Active Tank Test Failures -- Total Sites - 1			Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
4	0605754	BRT REALITY TRUST	476 BROOME STREET	2585 feet to the SE
Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 12			Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
5	0411381	DEP PARKING LOT	HUDSON ST AND CLARKSON ST	725 feet to the NNE
6	0611866	FILL PIPE LEAKED #2 FO INTO VAULT	111 LEROY STREET	1010 feet to the NNE
7	0512342	VACANT PROPETRY	527 CANAL STREET	1042 feet to the SSW
8	0801296	501-503 CANAL ST.	231-239 HUDSON ST.	1214 feet to the S
9	0500657	GAS STATION	475 GREENWICH ST.	1315 feet to the S
10	9400447	148 BARROW STREET	148 BARROW STREET	1595 feet to the NNW
11	9807991	MANHOLE 49054 N/E CRN OF	WASHINGTON/DESBROSSES ST	1664 feet to the SSW
12	9204307	TRINITY CHURCH BLDG - MISC	75 VARICK ST	1667 feet to the SSE
13	9609079	GLC PRODUCTIONS	11 WEEHAWKEN ST	1863 feet to the N
14	0207349	48 LAIGHT STREET	48 LAIGHT STREET	2073 feet to the S
15	9908057	MANHOLE 37278	LAIGHT ST/HUDSON ST	2144 feet to the S
16	9805274	FORMER DOVER GARAGE	534 HUDSON STREET	2434 feet to the NNE
Active Haz Spills (Miscellaneous Spill Causes) -- Total Sites - 1			Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
17	9207631	MOBIL S/S#17-AML	140-52 6TH AVE	1644 feet to the SE
Closed Status Tank Failures -- Total Sites - 18			Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
18	9702743	560 WASHINGTON ST	560 WASHINGTON ST	498 feet to the WNW
19	9806774	507-509 GREENWICH ST	507-509 GREENWICH ST	803 feet to the S
20	9810520		130 LEROY STREET	866 feet to the N
21	9712858	MANHATTAN WEST 01 DOS -DDC	297 WEST STREET	929 feet to the SW
22	9909631	YELLOW FREIGHT	149 LEROY ST	1109 feet to the NNW
23	9612894	ALISON ON DOMINICK ST	38 DOMINICK ST	1156 feet to the SSE
24	9503897	MOBIL S/S#17-JYX	290 WEST STREET	1250 feet to the SSW
25	9503810	EXXONMOBIL S/S	290 WEST STREET	1250 feet to the SSW
26	0701262	HUDSON RIVER PARK	WEST ST/ WATT ST	1533 feet to the SSW
27	8910872	HRH CONSTRUCTION CORP	101 AVENUE OF AMERICAS	1834 feet to the SSE
28	9512271	22 GROVE ST	22 GROVE ST	1884 feet to the NNE

29	0508831	CHASE BANK	74 VARICK STREET	1969 feet to the SSE
30	0410085	63 VESTRY STREET	67 VESTRY STREET	2003 feet to the SSW
31	0206148	259 WEST STREET	259 WEST STREET	2061 feet to the SSW
32	0303372	390 WEST BROADWAY	390 WEST BROADWAY	2116 feet to the SE
33	9411507	W & J GARAGE	360 WEST BROADWAY	2172 feet to the SE
34	9212937	105 WOOSTER STREET	105 WOOSTER STREET	2368 feet to the ESE
35	9807492	FORMER TAXI GARAGE	534 HUDSON STREET	2434 feet to the NNE

Closed Status Tank Test Failures -- Total Sites - 24

MAP ID	FACILITY ID	FACILITY NAME
36	9100225	522 GREENWICH AV/MANH/UPS
37	9006678	507-509 GREENWICH STREET
38	9404493	297 WEST STREET
39	0011671	DEPT OF SANITATION
40	0300861	111 LEROY ST
41	0209395	LITTLE RED SCHOOL HOUSE
42	0109823	627 GREENWICH STREET PROPERTY
43	9311565	EXXONMOBIL S/S
44	9208728	MOBIL S/S
45	0307319	EXXONMOBIL #11713
46	0311296	COMERCIAL PROPERTY
47	0100787	C TRUE BLDG CORP
48	0112067	
49	0209533	APARTMENT COMPLEX
50	0706903	LITTLE RED SCHOOL HOUSE
51	0209396	LITTLE RED SCHOOL HOUSE
52	9801149	CLOSED-LACKOF RECENT INFO
53	0304065	APARTMENT HOUSE
54	0507990	APARTMENT BUILDING
55	0514284	PROPERTIES SOLUTIONS
56	9212918	6 PRECINCT NYPD -DDC
57	9111635	6 PRECINCT NYPD -DDC
58	9906032	SPRING STREET ASSOCIATES
59	0606003	REAL ESTATE TRANS.

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
522 GREENWICH AVENUE	230 feet to the WSW
507-509 GREENWICH STREET	803 feet to the S
297 WEST STREET	929 feet to the SW
297 WEST STREET	929 feet to the SW
111 LEROY ST	1010 feet to the NNE
40 CHARLTON STREET	1073 feet to the ESE
627 GREENWICH ST	1121 feet to the N
290 WEST STREET	1250 feet to the SSW
290 WEST STREET	1250 feet to the SSW
290 WEST ST	1250 feet to the SSW
155 6TH AVE	1328 feet to the SE
465 GREENWICH ST	1519 feet to the S
2 KING ST	1547 feet to the E
26 CARMINE ST	1773 feet to the ENE
272 6TH AVE	1868 feet to the ENE
272 6TH AVENUE	1868 feet to the ENE
40 GROVE STREET	2046 feet to the NNE
40 GROVE STREET	2046 feet to the NNE
159 PRINCE STREET	2111 feet to the ESE
155 SPRING STREET	2262 feet to the ESE
233 WEST 10TH STREET	2469 feet to the NNE
233 WEST 10TH STREET	2469 feet to the NNE
131-137 SPRING ST	2561 feet to the ESE
476 BROOME STREET	2585 feet to the SE

Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 129

MAP ID	FACILITY ID	FACILITY NAME
60	9909799	MANHOLE 49087
61	9801469	ROADWAY
62	0002527	VAULT 426
63	0801267	COMMERCIAL SITE
64	0602720	VAULT 329
65	9610088	CLARKSON ST/WASHINGTON ST
66	0006503	WEST HOUSTON & WEST ST
67	0600251	609 GREENWICH ST
68	0890226	208152; CHARLTON ST
69	0710108	HESS SPILLED #4 FO INTO XFMR VAULT 4879
70	0101432	499 GREENWICH STREET
71	0107041	SUBWAY TUNNEL
72	0012882	NYC SANITATION GARAGE
73	0707082	DRUM RUN
74	0890225	208130; CHARLTON ST
75	0004935	

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
517-19 WASHINGTON ST	230 feet to the WSW
375 HUDSON ST	303 feet to the NNE
344 WEST ST	498 feet to the WNW
330 HUDSON STREET	522 feet to the SE
340 WEST STREET (BAY 37)	623 feet to the WSW
CLARKSON ST/WASHINGTON ST	709 feet to the NNW
W. HOUSTON & WEST ST	767 feet to the NW
609 GREENWICH ST	835 feet to the N
CHARLTON ST	842 feet to the ESE
IN FRONT OF 180 VARICK STREET	852 feet to the E
499 GREENWICH STREET	870 feet to the S
VARICK ST/VANDAM ST	928 feet to the ESE
297 WEST STREET	929 feet to the SW
31 RENWICK STREET	947 feet to the S
CHARLTON ST	950 feet to the ESE
129 LEROY ST	969 feet to the N

76	9609777	HUDSON RIVER - PIER 40	WEST SIDE HIGHWAY	971 feet to the WNW
77	9113203	PIER 40 / HOLLAND TUNNEL	PIER 40 / HOLLAND TUNNEL	971 feet to the WNW
78	0030023	HUDSON RVR SOUTH PIER 40	HUDSON RVR SOUTH PIER 40	971 feet to the WNW
79	9513627	LEROY ST/HUDSON ST	LEROY ST BY HUDSON ST	972 feet to the NNE
80	9808136	HUDSON RIVER	CANAL ST	997 feet to the SW
81	0310967	HUDSON RIVER	CANAL STREET	997 feet to the SW
82	0109831	LIBERTY VIEW CORP	533 CANAL ST	1000 feet to the SSW
83	9709317	160-170 VARICK ST	160-170 VARICK ST	1000 feet to the ESE
84	0507454	VACANT BUILDING	23 RENWICK STREET	1010 feet to the S
85	9504269	HOLLAND TUNNEL/HUDSON RVR	HOLLAND TUNNEL/HUDSON RVR	1036 feet to the SW
86	9303615	HOLLAND TUNNEL	HOLLAND TUNNEL TO JERSEY	1036 feet to the SW
87	9302052	AT EASTRAMIC OF HOLLAND T	AT EASTRAMIC HOLLAND TUNN	1036 feet to the SW
88	8806682	HUDSON RIVER/HOLLAND TUNN	NO OF PIER/HOLLAND TUNNEL	1036 feet to the SW
89	0006423	WASHINGTON ST NEAR	CANAL ST	1059 feet to the SSW
90	0002064	MANHOLE 28488	CANAL ST/WASHINGTON ST	1059 feet to the SSW
91	0001838	YELLOW FREIGHT	149 LEROY ST	1109 feet to the NNW
92	0401522	BLOCK 594 LOT 56	243-257 HUDSON ST	1133 feet to the S
93	9706439	IFO 596 CANAL ST	IFO 596 CANAL ST	1138 feet to the SW
94	0805282	STREET	HUDSON ST/ MORTON ST	1224 feet to the NNE
95	8100234	MOBIL SERVICE STATION	CANAL ST / WEST SIDE HWY	1250 feet to the SSW
96	0404085	MOBIL SERVICE STATION	290 WEST STREET	1250 feet to the SSW
97	0408431	STREET CORNER	500 CANAL STREET	1315 feet to the S
98	9707716	STATE PROJECT 9A	WEST ST & MORTON ST	1353 feet to the NNW
99	0109198		6TH AVE/CHARLTON ST	1423 feet to the ESE
100	9411989	34 MORTON AVENUE	34 MORTON AVENUE	1439 feet to the NE
101	9908481	6TH AVENUE / SPRING ST	6TH AVENUE / SPRING ST	1490 feet to the SE
102	9701459	ROADWAY	CANAL AT HUDSON ST	1518 feet to the S
103	0512136	BUILD ING	38 LEEROY STREET	1522 feet to the NE
104	0005811		WEST ST/WATT ST	1533 feet to the SSW
105	0200171	JACK CAUFMAN	2 KING ST	1547 feet to the E
106	9607106	HOLLAND TUNNEL	HUDSON STREET	1573 feet to the S
107	0807898	HOLLAND TUNNEL	CANAL AND HUDSON	1573 feet to the S
108	0705380	HUDSON AND CANAL STREET	HUDSON AND CANAL STREET	1573 feet to the S
109	0509843	DEANGELIS HOME	42 CARMINE STREET	1621 feet to the ENE
110	9906160	MANHOLE 47359	WATTS ST AND VARICK ST	1627 feet to the SSE
111	0705716	VARICK STREET APPROACH OF	HOLLAND TUNNEL	1627 feet to the SSE
112	0508301	VARICK ST-DIESEL DRUM	VARICK STREET/WATTS	1627 feet to the SSE
113	0004966	MH 49437	WATTS AND VARICK ST	1627 feet to the SSE
114	0004962	MANHOLE #47359	VARICK & WATT ST	1627 feet to the SSE
115	9910670	MANHOLE 346277	140 6TH AVE	1644 feet to the SE
116	0412443	MOBIL S/S #17-AML	140-52 6TH AVE	1644 feet to the SE
117	0411106	MOBIL S/S #17-AML	140-52 6TH AVE	1644 feet to the SE
118	0401621	MOBIL 17-AML	140-52 6TH AVE	1644 feet to the SE
119	0708798	REAR YARD OF 26 COMMERCE ST	26 COMMERCE STREET	1725 feet to the NE
120	0109868		131 SULLIVAN ST	1830 feet to the ESE
121	9402808	196 BLEECKER ST	196 BLEECKER STREET	1901 feet to the ENE
122	8804185	BETW BLEECKER & HOUSTON	83-85 MACDOUGAL ST	1903 feet to the ENE
123	9906109	MH 37285	HUDSON ST & VESTRY ST	1905 feet to the S
124	0003916	MANHOLE #37285	VESTRY ST/HUDSON ST	1905 feet to the S
125	9608640	SERVICE BX 51689	IFO 265 WEST ST	1920 feet to the SSW
126	0604319	ABANDONED GAS STATION	415 WASHINGTON ST/LEIGHT	1976 feet to the SSW
127	0601769	PARKING LOT	415 WASHINGTON ST/LEIGHT	1976 feet to the SSW
128	0505263	415 WASHINGTON ST - MISC	415 WASHINGTON ST	1976 feet to the SSW

129	8807335	HUDSON RIVER/PIER 2632	HUDSON RIVER/PIER 2632	1984 feet to the SSW
130	0604184	AT INTR SCTN PRNC&THMP SN	PRINCE ST/ THOMPSON ST	2000 feet to the ESE
131	0303817	ZITO & SONS BAKERY	259 BLEECKER ST	2019 feet to the NE
132	9808065	MANHOLE #45940	THOMPSON ST & BROOME ST	2020 feet to the SE
133	0890004	204718; NE THOMPSON ST & BROOM	NE THOMPSON ST & BROOM	2020 feet to the SE
134	0800839	CONSTRUCTION	BROOME STREET & THOMPSON	2020 feet to the SE
135	0612039	THREE GAL UNK OIL IN MANHOLE 45940	THOMPSON STREET & BROOME ST	2020 feet to the SE
136	0612038	FOUR GAL UNK OIL IN MANHOLE 45949	THOMPSON ST & BROOME STREET	2020 feet to the SE
137	9908075	MANHOLE 37957	34 LAIGHT ST	2060 feet to the S
138	0709716	BUILDING	193 BLEECKER STREET	2060 feet to the ENE
139	0306088	48 LAIGHT STREET	48 LAIGHT STREET	2073 feet to the S
140	9403006	MORTON ST-GREENWICH VILL.	PIER 42 -MORTON ST	2077 feet to the NNW
141	9907511	MANHOLE #TM3851	IFO 27-35 THOMPSON ST	2092 feet to the SE
142	0004123	SERVICE BOX 01566	258 W.10TH ST	2112 feet to the N
143	0004132	MANHOLE 36378	GREENWHICH ST/W 10TH ST	2112 feet to the N
144	0306410	BETWEEN BEDFORD & BLEEKER	IFO #40 GROVE ST	2122 feet to the NNE
145	0704488	GARAGE	74-88 AVE OF AMERICA'S	2125 feet to the SSE
146	0307881		110 CHRISTOPHER ST	2137 feet to the NNE
147	0200501		32 THOMPSON ST	2164 feet to the SE
148	0500869	MANHOLE 45918	GRAND ST/ THOMPSON ST	2172 feet to the SSE
149	0700683	OIL ON SOIL IN EXCAVATION	110 WEST HOUSTON STREET	2178 feet to the E
150	0514304	157 SPRING ST.	157 SPRING ST.	2220 feet to the ESE
151	0011582	MANHOLE #49688	W BROADWAY & PRINCE ST	2224 feet to the ESE
152	9211333	157 HUDSON ST	157 HUDSON ST	2245 feet to the S
153	0311287	LASTGAST LTD	157 HUDSON ST	2245 feet to the S
154	0805074	ABANDON GAS	350 WEST BROADWAY	2247 feet to the SE
155	0805069	CONSTRUCTIO PROJ	350 WEST BROADWAY	2247 feet to the SE
156	9912388	521 HUDSON ST	521 HUDSON ST	2273 feet to the NNE
157	0706880	EXIT 5 ST JOHNS ROTARY	LAIGHT ST/VARICK ST	2279 feet to the SSE
158	9808566	MANHOLE 49632 IN FRONT OF	338-42 WEST BROADWAY	2298 feet to the SE
159	0306591	406-410 WEST ST	406-410 WEST ST	2305 feet to the N
160	9900023	SERVICE BOX 26200	21 BARROW ST	2310 feet to the NE
161	9808595	MANHOLE 46247	CANAL ST/6TH AVE	2315 feet to the SSE
162	0103843	MANHOLE 46253	CANAL ST/6TH AVE	2315 feet to the SSE
163	9710829	UNDERGROUNDS AT	151 HUDSON ST	2316 feet to the S
164	0890058	205829; 149 HUDSON ST	149 HUDSON ST	2338 feet to the S
165	9906261	WEST BROADWAY	AND GRAND ST	2375 feet to the SSE
166	0602144	OUTSIDE	214 SULLIVAN ST	2375 feet to the ENE
167	9912747	MANHOLE #37270	HUDSON ST/HUBERT ST	2378 feet to the S
168	9601807	HUDSON RIVER	PIER 49 TO ELLIS ISLAND	2381 feet to the NNW
169	0100783	MH 46247	CANAL ST/LAIGHT ST	2382 feet to the SSE
170	9906711	HOLLAND TUNNEL EXIT	NEW YORK BOUND ROTARY	2408 feet to the S
171	0008119	VACANT PROPERTY	176 PERRY ST	2427 feet to the N
172	0105673	MANHOLE 46243	IFO 55 6TH AV	2466 feet to the SSE
173	0003902	MANHOLE # 46243	IFO 55 6TH AVE	2466 feet to the SSE
174	0401426	6TH PRECINCT NYPD -DDC	233 WEST 10TH STREET	2469 feet to the NNE
175	0890329	209253; CORNELIA ST ST	CORNELIA ST ST	2473 feet to the NE
176	9608107	PRINCE STREET	PRINCE ST & WOOSTER ST	2481 feet to the ESE
177	9805911	GAS STATION	CHARLES ST AND HUDSON ST	2482 feet to the NNE
178	0008199	CONSTRUCTION SITE	PERRY STREET+WEST STREET	2489 feet to the N
179	0613123	COMMERCIAL PROPERTY	325 WEST BROADWAY	2494 feet to the SSE
180	9808602	MANHOLE 46243	47-61 AVE OF AMERICAS	2498 feet to the SSE
181	9610806	155 WOOSTER ST	155 WOOSTER ST	2514 feet to the E

182	0306675		149 WOOSTER ST	2522 feet to the ESE
183	9100052	124 PRINCE ST/MANHATTAN	124 PRINCE STREET	2544 feet to the ESE
184	0750445	CONSTRUCTION SITE	311 WEST BROADWAY	2600 feet to the SSE
185	9808600	VAULT 8161	WOOSTER ST/GRAND ST	2617 feet to the SE
186	0409355	VAULT # 8161	WEST WORCHESTER/GRAND STR	2617 feet to the SE
187	0511209	TEMPORARY FUEL TANK	505 W BROADWAY	2618 feet to the E
188	0011560	MANHOLE 37268	ERICKSON PL & HUDSON ST	2636 feet to the S
Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 26				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
189	0510409	VAULT #5902	100 KING STREET AT HUDSON ST	169 feet to the E*
190	9205355	320 HOUSTON/522 GREENWICH	522 GREENWICH ST	230 feet to the WSW
191	9601324	SAACYTHIC AND SAACYTHIC	375 HUDSON ST	303 feet to the NNE
192	0605024	VS #6447 HAS RELEASE OF XFMR OIL	KING STREET & HUDSON STREET	352 feet to the ENE
193	0712796	DRUM RUN	CHARLTON ST./HUDSON ST.	365 feet to the ESE
194	0506181	MCI	560 WASHINGTON ST	498 feet to the WNW
195	0103173		560 WASHINGTON ST	498 feet to the WNW
196	0000932	MAN HOLE #V0426	344 WEST ST	498 feet to the WNW
197	0610178	SHAFT #28B	HOUSTON STREET/HUDSON STR	505 feet to the NE
198	0507497	MANHOLE #36950	HOUSTON STREET AT HUDSON ST	505 feet to the NE
199	9415344	315 HUDSON STREET	315 HUDSON STREET	572 feet to the SSE
200	8807612	315 HUDSON ST	315 HUDSON ST	572 feet to the SSE
201	9614579	NYNEX GARAGE	84 KING STREET	573 feet to the E
202	0009305		84 KING STREET	573 feet to the E
203	0603221	BETWEEN CLARKSON	HUDSON ST/WEST HOUSTON	612 feet to the NE
204	9502690	330 WEST STREET	330 WEST STREET	636 feet to the WSW
205	8702588	201 VARICK STREET, NEW YO	201 VARICK STREET	643 feet to the ENE
206	0701303	SIX GAL XFMR OIL IN VS #3308	366 HUDSON STREET	643 feet to the ENE
207	0507343	CLARKSON AND WEST HOUSTON	396 HUDSON STREET	658 feet to the NE
208	0104982	VAULT 4222	183-187 VARICK ST	703 feet to the E
209	8806754	95 MORTON ST/MANHATTAN	95 MORTON STREET	1340 feet to the N
210	8703035	VARICK ST.& CANAL ST. / N	VARICK ST. & CANAL ST.	2002 feet to the SSE
211	9009139	9 MINETTA ST/MANH	9 MINETTA STREET	2126 feet to the ENE
212	9402109	119 CHRISTOPHER STREET	119 CHRISTOPHER STREET	2151 feet to the NNE
213	9605125	399 WASHINGTON STREET	399 WASHINGTON STREET	2299 feet to the SSW
214	8603095	CANAL STREET PUMP STATION	CANAL STREET / PUMP STAT.	2382 feet to the SSE
Petroleum Bulk Storage Sites -- Total Sites - 28				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
215	NY09889	TRINITY CHURCH CORP.	559 GREENWICH ST	0 feet
216	2-158976	345 HUDSON ST	345 HUDSON ST	170 feet to the E*
217	2-198587	UNITED PARCEL SERVICE	325 WEST HOUSTON STREET	236 feet to the WSW
218	2-482706	NEW YORK TRUCK TERMINAL	325 SPRING STREET	236 feet to the WSW
219	2-601579	UNITED PARCEL SERVICE	522 GREENWICH ST (320 WEST HOUSTON ST)	236 feet to the WSW
220	2-607414	537 GREENWICH STREET	537 GREENWICH STREET	278 feet to the S
221	NY09963	UNION CARD & PAPER	537 GREENWICH ST	278 feet to the S
222	2-316431	A B ILIBASSI REALTY CO	98 CHARLTON ST	290 feet to the SSE
223	2-607317	WHITEHALL STORAGE(WHITEHALL BUSINESS ARCHIEVES IN 1333 HUDSON STREET	1333 HUDSON STREET	337 feet to the SE
224	2-399272	V-DOG CONDOMINIUM	95 VANDAM STREET	341 feet to the S
225	NY03087	DAVID SILVERSTEIN	95 VANDAM ST	341 feet to the S
226	2-305456	HUDSON TELECOM CENTER LLC	325 HUDSON STREET	381 feet to the SSE
227	2-609617	VERIZON - GLOBOL NETWORKS INC.	325 HUDSON STREET	381 feet to the SSE
228	2-158941	350 HUDSON ST	350 HUDSON ST	455 feet to the E
Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile				
Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent				

229	NY09989	UNITED PARCEL	320 W HOUSTON ST	465 feet to the NNW
230	2-031925	350 WEST STREET	350 WEST STREET	498 feet to the WNW
231	2-603077	MERRILL LYNCH & CO., INC.	570 WASHINGTON STREET	498 feet to the WNW
232	2-603912	MCI - NEYCN	560 WASHINGTON STREET	498 feet to the WNW
233	2-510920	330 HUDSON STREET	330 HUDSON STREET	525 feet to the SE
234	2-154822	326 HUDSON ST	326 HUDSON ST	525 feet to the SE
235	2-344680	VERIZON NEW YORK, INC.	84 KING STREET	574 feet to the E
236	2-233315	MICHAEL BRODY	71 CHARLTON ST	574 feet to the E
237	2-601840	315 HUDSON STREET	315 HUDSON STREET	576 feet to the SSE
238	2-608682	74 CHARLTON ST.	74 CHARLTON STREET	597 feet to the ESE
239	NY08450	REX ENVELOPE CO	74 CHARLTON ST	597 feet to the ESE
240	2-043915	TRIDENT MAILING SERVICE	315 SPRING ST	604 feet to the S
241	2-604460	515 GREENWICH STREET	515 GREENWICH STREET	604 feet to the S
242	2-609564	FEDERAL OFFICE BUILDING	201 VARICK STREET	646 feet to the ENE

Hazardous Waste Generators, Transporters -- Total Sites - 41

MAP ID	FACILITY ID	FACILITY NAME
243	NYD046172797	BOWNE OF NEW YORK
244	NYR000046490	PARISH OF TRINITY CHURCH
245	NYD986985281	BOWNE BUSINESS COMM
246	NYD986927408	TISHMAN SPEYER PRODUCTS
247	NYR000023663	QUAD GRAPHICS
248	NYD986902971	UNITED PARCEL SERVICE
249	NYP004103214	CONSOLIDATED EDISON
250	NYD060200821	GREENSPAN & KUSHLIN ENG
251	NYD986957165	GERSON OFFSET LITHOGRAPHY
252	NYD987036175	LYNN ART
253	NYD061200812	GREENSPAN & KUSHLIN ENGRAVING CORP
254	NYP003663853	NYCDEP
255	NYD081664328	ENZO BIO CHEM INCORPORATED
256	NYP004069092	CONSOLIDATED EDISON
257	NYP004069098	CONSOLIDATED EDISON
258	NYP004075438	CON EDISON - MH36314
259	NYP004085833	CONSOLIDATED EDISON
260	NYP004029229	CONSOLIDATED EDISON
261	NYP004030714	CONSOLIDATED EDISON
262	NY0000441147	MERRILL LYNCH
263	NYD986902971	UNITED PARCEL SERVICE
264	NYP004082988	CONSOLIDATED EDISON
265	NYD068209410	LUCENT TECHNOLOGIES
266	NYD980761217	NEW YORK TELEPHONE COMPANY
267	NYP004087631	CONSOLIDATED EDISON
268	NYP004135836	CONSOLIDATED EDISON
269	NYP004139184	CONSOLIDATED EDISON
270	NYP004048948	CONSOLIDATED EDISON
271	NYP004072823	CONSOLIDATED EDISON
272	NYR000107573	THE RECTOR TRINITY CHURCH
273	NYD987030798	NEW YORK TELEPHONE CO
274	NYN000002A159	RED BALL INTERIOR DEMOLITION CORP
275	NY0000023069	PRUDENTIAL SECURITIES
276	NYP004086155	CONSOLIDATED EDISON
277	NYP004085155	CONSOLIDATED EDISON
278	NYP004051991	CONSOLIDATED EDISON

Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent

FACILITY STREET	DISTANCE & DIRECTION
345 HUDSON STREET	186 feet to the ESE*
345 HUDSON ST	186 feet to the ESE*
345 HUDSON STREET	186 feet to the ESE*
375 HUDSON STREET	255 feet to the NE
375 HUDSON ST NE COR THE 1ST	255 feet to the NE
325 W HOUSTON ST	261 feet to the WSW
MH49096-F/O 545 WASHINGTON ST	312 feet to the WSW
333 HUDSON ST	334 feet to the SE
333 HUDSON STREET	334 feet to the SE
333 HUDSON ST - 8TH FLOOR	334 feet to the SE
333 HUDSON ST	334 feet to the SE
CHARLTON AND HUDSON STREETS	365 feet to the ESE
325 HUDSON ST	387 feet to the SSE
MH6319-VANDAM ST & GREENWICH	427 feet to the SSW
MH6319-VANDAM ST & GREENWICH	427 feet to the SSW
VANDAM ST. AND GREENWICH ST. V	427 feet to the SSW
MH36314-GREENWICH & VANDAM ST	427 feet to the SSW
V1811-284 W HOUSTIN ST	431 feet to the NNE
V1289-W HOUSTON	431 feet to the NNE
570 WASHINGTON ST	469 feet to the WNW
320 W HOUSTON ST	474 feet to the NNW
MH36933 W HOUSTON & WASHINGTON	484 feet to the NNW
395 HUDSON ST	498 feet to the NNE
395 HUDSON STREET	498 feet to the NNE
MH36457-W HOUSTON ST & HUDSON	505 feet to the NE
HOUSTON & HUDSON MH36950	505 feet to the NE
MH36950 HOUSTON ST & HUDSON	505 feet to the NE
V8370-VAN DAM & HUDSON	534 feet to the SSE
MH37320-HUDSON AVE & VANDAM ST	534 feet to the SSE
330 HUDSON ST	548 feet to the SE
84 KING ST	575 feet to the E
575 WASHINGTON ST	608 feet to the NNW
315 HUDSON ST	618 feet to the SSE
MH56576	618 feet to the SSE
MH56576-F/O 90 VANDAM ST	618 feet to the SSE
V4429-366 HUDSON ST	625 feet to the ENE

279	NYP004005336	CONSOLIDATED EDISON	V 4355 - 366 HUDSON ST	625 feet to the ENE
280	NY8470000128	GSA	201 VARICK STREET	625 feet to the ENE
281	NYP004081659	CONSOLIDATED EDISON	MH51728 330 WEST ST	636 feet to the WSW
282	NYR000110742	NALCO CHEMICAL CO BLOOMBERG FIN MKT	330 WEST ST	636 feet to the WSW
283	NYP004081493	CONSOLIDATED EDISON	MH31736 328 WEST ST	648 feet to the WSW
Chemical Bulk Storage Facilities -- Total Sites - 1				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
284	2-000345	UNITED PARCEL SERVICE	325 WEST HOUSTON STREET	213 feet to the WSW
Historic Utility Sites -- Total Sites - 2				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
285	CE039	UNKNOWN	VAN DAM /GREENWICH	427 feet to the SSW
286	CE070	VANDAM ST	92-98 VANDAM ST	474 feet to the S
Hazardous Substance Waste Disposal Sites -- Total Sites - 1				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
287		GSA BUILDING SITE	201 VARICK ST	608 feet to the ENE
Air Discharge Sites -- Total Sites - 16				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
288	3606100007	JAMES NEWCOMB CO	345 HUDSON ST	201 feet to the ESE
289	3606100383	BOWNE & CO INC	345 HUDSON ST	201 feet to the ESE
290	3606100403	US BANKNOTE CORP	345 HUDSON ST	201 feet to the ESE
291	3606102102	US BANKNOTE CORP	345 HUDSON ST	201 feet to the ESE
292	3606180162	NICO CONSTRUCTION COMPANY NY	345 HUDSON ST	201 feet to the ESE
293	3606100526	NICO CONSTR CO INC	345 HUDSON STREET	201 feet to the ESE
294	3606102031	BOWNE OF NEW YORK CITY INC	345 HUDSON ST 10TH FLR	201 feet to the ESE
295	NY061XP4D	GERSON OFFSET LITHOGRAPHY	333 HUDSON ST	337 feet to the SE
296	3606100371	TISHMAN CONSTRUCTION	570 WASHINGTON STREET	451 feet to the WNW
297	36061P0048	UNITED BROTHERHOOD OF CARPENTERS/JOINERS	395 HUDSON STREET	547 feet to the NNE
298	3606100534	RED BALL INTERIOR DEMLTN CORP	575 WASHINGTON STREET	601 feet to the NNW
299	3606180187	RED BALL INTERIOR DEMOLITION	575 WASHINGTON ST	601 feet to the NNW
300	3606100505	UNITED INTERIOR DEMO	575 WASHINGTON AVE.	601 feet to the NNW
301	3606180135	UNITED INTERIOR DEMO	575 WASHINGTON AVENUE	601 feet to the NNW
302	3606180050	HESCO ENVIRONMENTAL SAFETY	56 CLARKSON STREET	601 feet to the NNW
303	3606100494	HESCO ENVIRON SAFETY	56 CLARKSON ST	601 feet to the NNW
Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent				
Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent				
Database searched at 1/2 MILE - Non-ASTM Database				
Database searched at 1/8 MILE - Non-ASTM Database				

Identified Toxic Sites by Proximity

551-561 Greenwich Street, New York, NY 10013

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
215	TRINITY CHURCH CORP.	559 GREENWICH ST	0 feet	Petroleum Bulk Storage Site
189	VAULT #5902	100 KING STREET AT HUDSON ST	169 feet to the E*	Closed Status Spill (Misc. Spill Cause)
216	345 HUDSON ST	345 HUDSON ST	170 feet to the E*	Petroleum Bulk Storage Site
243	BOWNE OF NEW YORK	345 HUDSON STREET	186 feet to the ESE*	Hazardous Waste Generator/Transporter
244	PARISH OF TRINITY CHURCH	345 HUDSON ST	186 feet to the ESE*	Hazardous Waste Generator/Transporter
245	BOWNE BUSINESS COMM	345 HUDSON STREET	186 feet to the ESE*	Hazardous Waste Generator/Transporter
288	JAMES NEWCOMB CO	345 HUDSON ST	201 feet to the ESE	Air Discharge Site
289	BOWNE & CO INC	345 HUDSON ST	201 feet to the ESE	Air Discharge Site
290	US BANKNOTE CORP	345 HUDSON ST	201 feet to the ESE	Air Discharge Site
291	US BANKNOTE CORP	345 HUDSON ST	201 feet to the ESE	Air Discharge Site
292	NICO CONSTRUCTION COMPANY NY	345 HUDSON ST	201 feet to the ESE	Air Discharge Site
293	NICO CONSTR CO INC	345 HUDSON STREET	201 feet to the ESE	Air Discharge Site
294	BOWNE OF NEW YORK CITY INC	345 HUDSON ST 10TH FLR	201 feet to the ESE	Air Discharge Site
284	UNITED PARCEL SERVICE	325 WEST HOUSTON STREET	213 feet to the WSW	Chemical Bulk Storage Facility
36	522 GREENWICH AV/MANH/UPS	522 GREENWICH AVENUE	230 feet to the WSW	Closed Status Tank Test Failure
60	MANHOLE 49087	517-19 WASHINGTON ST	230 feet to the WSW	Closed Status Spill (Unk/Other Cause)
190	320 HOUSTON/522 GREENWICH	522 GREENWICH ST	230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
217	UNITED PARCEL SERVICE	325 WEST HOUSTON STREET	236 feet to the WSW	Petroleum Bulk Storage Site
218	NEW YORK TRUCK TERMINAL	325 SPRING STREET	236 feet to the WSW	Petroleum Bulk Storage Site
219	UNITED PARCEL SERVICE	522 GREENWICH ST (320 WEST HOUSTON ST)	236 feet to the WSW	Petroleum Bulk Storage Site
246	TISHMAN SPEYER PRODUCTS	375 HUDSON STREET	255 feet to the NE	Hazardous Waste Generator/Transporter
247	QUAD GRAPHICS	375 HUDSON ST NE COR THE 1ST	255 feet to the NE	Hazardous Waste Generator/Transporter
248	UNITED PARCEL SERVICE	325 W HOUSTON ST	261 feet to the WSW	Hazardous Waste Generator/Transporter
220	537 GREENWICH STREET	537 GREENWICH STREET	278 feet to the S	Petroleum Bulk Storage Site
221	UNION CARD & PAPER	537 GREENWICH ST	278 feet to the S	Petroleum Bulk Storage Site
222	A B ILIBASSI REALTY CO	98 CHARLTON ST	290 feet to the SSE	Petroleum Bulk Storage Site
61	ROADWAY	375 HUDSON ST	303 feet to the NNE	Closed Status Spill (Unk/Other Cause)
191	SAACYTHIC AND SAACYTHIC	375 HUDSON ST	303 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
249	CONSOLIDATED EDISON	MH49096-F/O 545 WASHINGTON ST	312 feet to the WSW	Hazardous Waste Generator/Transporter
250	GREENSPAN & KUSHLIN ENG	333 HUDSON ST	334 feet to the SE	Hazardous Waste Generator/Transporter
251	GERSON OFFSET LITHOGRAPHY	333 HUDSON STREET	334 feet to the SE	Hazardous Waste Generator/Transporter
252	LYNN ART	333 HUDSON ST - 8TH FLOOR	334 feet to the SE	Hazardous Waste Generator/Transporter
253	GREENSPAN & KUSHLIN ENGRAVING CORP	333 HUDSON ST	334 feet to the SE	Hazardous Waste Generator/Transporter
223	WHITEHALL STORAGE(WHITEHALL BUSINESS ARCHIVES INC)	333 HUDSON STREET	337 feet to the SE	Petroleum Bulk Storage Site
295	GERSON OFFSET LITHOGRAPHY	333 HUDSON ST	337 feet to the SE	Air Discharge Site
224	V-DOG CONDOMINIUM	95 VANDAM STREET	341 feet to the S	Petroleum Bulk Storage Site
225	DAVID SILVERSTEIN	95 VANDAM ST	341 feet to the S	Petroleum Bulk Storage Site
192	VS #6447 HAS RELEASE OF XFMR OIL	KING STREET & HUDSON STREET	352 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
193	DRUM RUN	CHARLTON ST./HUDSON ST.	365 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
254	NYCDEP	CHARLTON AND HUDSON STREETS	365 feet to the ESE	Hazardous Waste Generator/Transporter
226	HUDSON TELECOM CENTER LLC	325 HUDSON STREET	381 feet to the SSE	Petroleum Bulk Storage Site
227	VERIZON - GLOBOL NETWORKS INC.	325 HUDSON STREET	381 feet to the SSE	Petroleum Bulk Storage Site
255	ENZO BIO CHEM INCORPORATED	325 HUDSON ST	387 feet to the SSE	Hazardous Waste Generator/Transporter
256	CONSOLIDATED EDISON	MH6319-VANDAM ST & GREENWICH	427 feet to the SSW	Hazardous Waste Generator/Transporter
257	CONSOLIDATED EDISON	MH6319-VANDAM ST & GREENWICH	427 feet to the SSW	Hazardous Waste Generator/Transporter

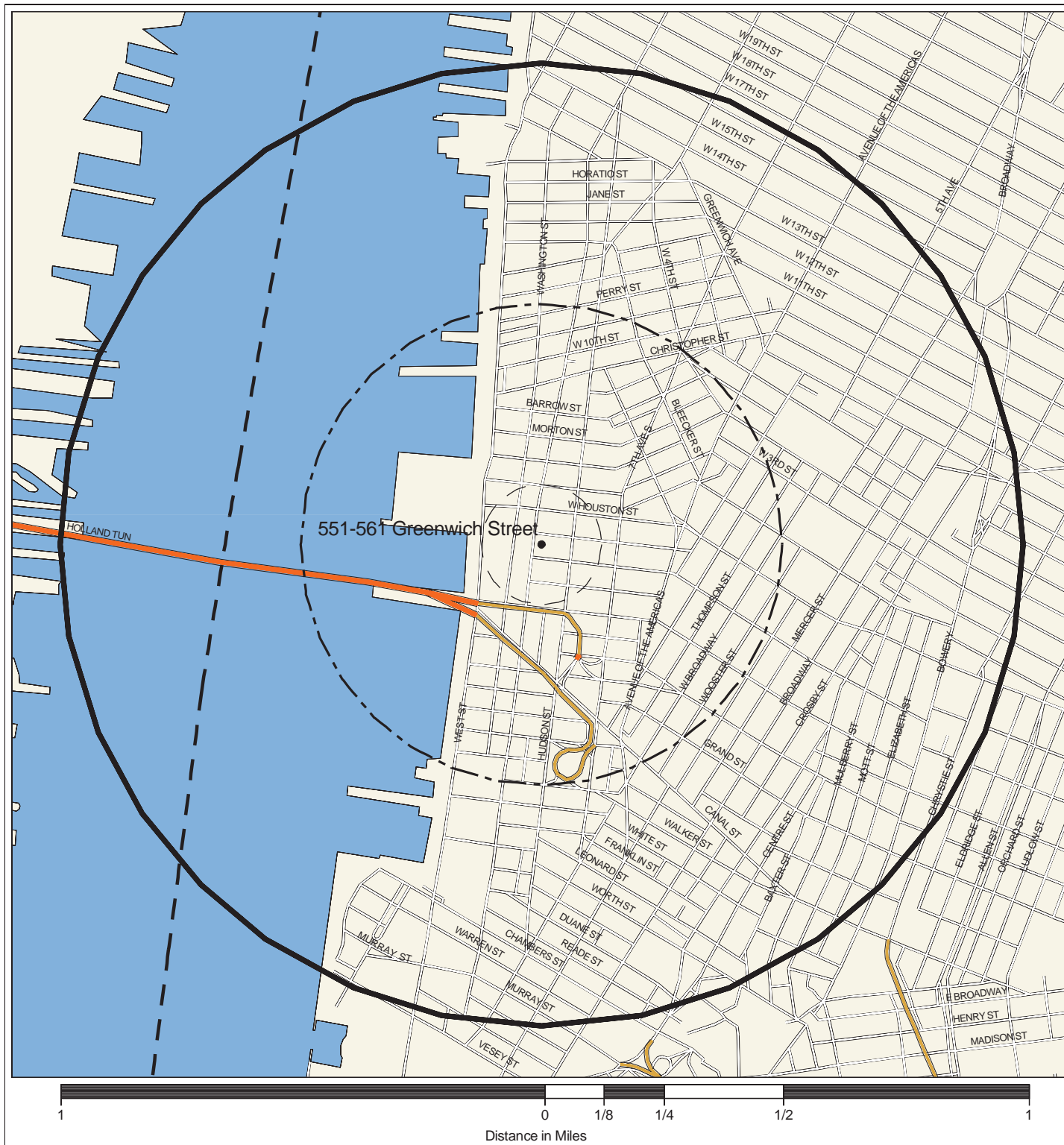
258	CON EDISION - MH36314	VANDAM ST. AND GREENWICH ST. V	427 feet to the SSW	Hazardous Waste Generator/Transporter
259	CONSOLIDATED EDISON	MH36314-GREENWICH & VANDAM ST	427 feet to the SSW	Hazardous Waste Generator/Transporter
285	UNKNOWN	VAN DAM /GREENWICH	427 feet to the SSW	Historic Utility Site
260	CONSOLIDATED EDISON	V1811-284 W HOUSTIN ST	431 feet to the NNE	Hazardous Waste Generator/Transporter
261	CONSOLIDATED EDISON	V1289-W HOUSTON	431 feet to the NNE	Hazardous Waste Generator/Transporter
296	TISHMAN CONSTRUCTION	570 WASHINGTON STREET	451 feet to the WNW	Air Discharge Site
228	350 HUDSON ST	350 HUDSON ST	455 feet to the E	Petroleum Bulk Storage Site
229	UNITED PARCEL	320 W HOUSTON ST	465 feet to the NNW	Petroleum Bulk Storage Site
262	MERRILL LYNCH	570 WASHINGTON ST	469 feet to the WNW	Hazardous Waste Generator/Transporter
263	UNITED PARCEL SERVICE	320 W HOUSTON ST	474 feet to the NNW	Hazardous Waste Generator/Transporter
286	VANDAM ST	92-98 VANDAM ST	474 feet to the S	Historic Utility Site
264	CONSOLIDATED EDISON	MH36933 W HOUSTON & WASHINGTON	484 feet to the NNW	Hazardous Waste Generator/Transporter
18	560 WASHINGTON ST	560 WASHINGTON ST	498 feet to the WNW	Closed Status Tank Failure
62	VAULT 426	344 WEST ST	498 feet to the WNW	Closed Status Spill (Unk/Other Cause)
194	MCI	560 WASHINGTON ST	498 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
195		560 WASHINGTON ST	498 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
196	MAN HOLE #V0426	344 WEST ST	498 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
230	350 WEST STREET	350 WEST STREET	498 feet to the WNW	Petroleum Bulk Storage Site
231	MERRILL LYNCH & CO., INC.	570 WASHINGTON STREET	498 feet to the WNW	Petroleum Bulk Storage Site
232	MCI - NEYCNV	560 WASHINGTON STREET	498 feet to the WNW	Petroleum Bulk Storage Site
265	LUCENT TECHNOLOGIES	395 HUDSON ST	498 feet to the NNE	Hazardous Waste Generator/Transporter
266	NEW YORK TELEPHONE COMPANY	395 HUDSON STREET	498 feet to the NNE	Hazardous Waste Generator/Transporter
197	SHAFT #28B	HOUSTON STREET/HUDSON STR	505 feet to the NE	Closed Status Spill (Misc. Spill Cause)
198	MANHOLE #36950	HOUSTON STREET AT HUDSON ST	505 feet to the NE	Closed Status Spill (Misc. Spill Cause)
267	CONSOLIDATED EDISON	MH36457-W HOUSTON ST & HUDSON	505 feet to the NE	Hazardous Waste Generator/Transporter
268	CONSOLIDATED EDISON	HOUSTON & HUDSON MH36950	505 feet to the NE	Hazardous Waste Generator/Transporter
269	CONSOLIDATED EDISON	MH36950 HOUSTON ST & HUDSON	505 feet to the NE	Hazardous Waste Generator/Transporter
63	COMMERCIAL SITE	330 HUDSON STREET	522 feet to the SE	Closed Status Spill (Unk/Other Cause)
233	330 HUDSON STREET	330 HUDSON STREET	525 feet to the SE	Petroleum Bulk Storage Site
234	326 HUDSON ST	326 HUDSON ST	525 feet to the SE	Petroleum Bulk Storage Site
270	CONSOLIDATED EDISON	V8370-VAN DAM & HUDSON	534 feet to the SSE	Hazardous Waste Generator/Transporter
271	CONSOLIDATED EDISON	MH37320-HUDSON AVE & VANDAM ST	534 feet to the SSE	Hazardous Waste Generator/Transporter
297	UNITED BROTHERHOOD OF CARPENTERS/JOINERS	395 HUDSON STREET	547 feet to the NNE	Air Discharge Site
272	THE RECTOR TRINITY CHURCH	330 HUDSON ST	548 feet to the SE	Hazardous Waste Generator/Transporter
199	315 HUDSON STREET	315 HUDSON STREET	572 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
200	315 HUDSON ST	315 HUDSON ST	572 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
201	NYNEX GARAGE	84 KING STREET	573 feet to the E	Closed Status Spill (Misc. Spill Cause)
202		84 KING STREET	573 feet to the E	Closed Status Spill (Misc. Spill Cause)
235	VERIZON NEW YORK, INC.	84 KING STREET	574 feet to the E	Petroleum Bulk Storage Site
236	MICHAEL BRODY	71 CHARLTON ST	574 feet to the E	Petroleum Bulk Storage Site
273	NEW YORK TELEPHONE CO	84 KING ST	575 feet to the E	Hazardous Waste Generator/Transporter
237	315 HUDSON STREET	315 HUDSON STREET	576 feet to the SSE	Petroleum Bulk Storage Site
238	74 CHARLTON ST.	74 CHARLTON STREET	597 feet to the ESE	Petroleum Bulk Storage Site
239	REX ENVELOPE CO	74 CHARLTON ST	597 feet to the ESE	Petroleum Bulk Storage Site
1	GENERAL SERVICES ADMINISTRATION	201 VARICK STREET	601 feet to the ENE	CERCLIS Superfund NFRAP Site
298	RED BALL INTERIOR DEMLTN CORP	575 WASHINGTON STREET	601 feet to the NNW	Air Discharge Site
299	RED BALL INTERIOR DEMOLITION	575 WASHINGTON ST	601 feet to the NNW	Air Discharge Site
300	UNITED INTERIOR DEMO	575 WASHINGTON AVE.	601 feet to the NNW	Air Discharge Site
301	UNITED INTERIOR DEMO	575 WASHINGTON AVENUE	601 feet to the NNW	Air Discharge Site
302	HESCO ENVIRONMENTAL SAFETY	56 CLARKSON STREET	601 feet to the NNW	Air Discharge Site
303	HESCO ENVIRON SAFETY	56 CLARKSON ST	601 feet to the NNW	Air Discharge Site
240	TRIDENT MAILING SERVICE	315 SPRING ST	604 feet to the S	Petroleum Bulk Storage Site
241	515 GREENWICH STREET	515 GREENWICH STREET	604 feet to the S	Petroleum Bulk Storage Site

274	RED BALL INTERIOR DEMOLITION CORP	575 WASHINGTON ST	608 feet to the NNW	Hazardous Waste Generator/Transporter
287	GSA BUILDING SITE	201 VARICK ST	608 feet to the ENE	Hazardous Substance Waste Disposal Site
203	BETWEEN CLARKSON	HUDSON ST/WEST HOUSTON	612 feet to the NE	Closed Status Spill (Misc. Spill Cause)
275	PRUDENTIAL SECURITIES	315 HUDSON ST	618 feet to the SSE	Hazardous Waste Generator/Transporter
276	CONSOLIDATED EDISON	MH56576	618 feet to the SSE	Hazardous Waste Generator/Transporter
277	CONSOLIDATED EDISON	MH56576-F/O 90 VANDAM ST	618 feet to the SSE	Hazardous Waste Generator/Transporter
64	VAULT 329	340 WEST STREET (BAY 37)	623 feet to the WSW	Closed Status Spill (Unk/Other Cause)
278	CONSOLIDATED EDISON	V4429-366 HUDSON ST	625 feet to the ENE	Hazardous Waste Generator/Transporter
279	CONSOLIDATED EDISON	V 4355 - 366 HUDSON ST	625 feet to the ENE	Hazardous Waste Generator/Transporter
280	GSA	201 VARICK STREET	625 feet to the ENE	Hazardous Waste Generator/Transporter
204	330 WEST STREET	330 WEST STREET	636 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
281	CONSOLIDATED EDISON	MH51728 330 WEST ST	636 feet to the WSW	Hazardous Waste Generator/Transporter
282	NALCO CHEMICAL CO BLOOMBERG FIN MKT	330 WEST ST	636 feet to the WSW	Hazardous Waste Generator/Transporter
205	201 VARICK STREET, NEW YO	201 VARICK STREET	643 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
206	SIX GAL XFMR OIL IN VS #3308	366 HUDSON STREET	643 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
242	FEDERAL OFFICE BUILDING	201 VARICK STREET	646 feet to the ENE	Petroleum Bulk Storage Site
283	CONSOLIDATED EDISON	MH31736 328 WEST ST	648 feet to the WSW	Hazardous Waste Generator/Transporter
207	CLARKSON AND WEST HOUSTON	396 HUDSON STREET	658 feet to the NE	Closed Status Spill (Misc. Spill Cause)
208	VAULT 4222	183-187 VARICK ST	703 feet to the E	Closed Status Spill (Misc. Spill Cause)
65	CLARKSON ST/WASHINGTON ST	CLARKSON ST/WASHINGTON ST	709 feet to the NNW	Closed Status Spill (Unk/Other Cause)
5	DEP PARKING LOT	HUDSON ST AND CLARKSON ST	725 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
66	WEST HOUSTON & WEST ST	W. HOUSTON & WEST ST	767 feet to the NW	Closed Status Spill (Unk/Other Cause)
19	507-509 GREENWICH ST	507-509 GREENWICH ST	803 feet to the S	Closed Status Tank Failure
37	507-509 GREENWICH STREET	507-509 GREENWICH STREET	803 feet to the S	Closed Status Tank Test Failure
67	609 GREENWICH ST	609 GREENWICH ST	835 feet to the N	Closed Status Spill (Unk/Other Cause)
68	208152; CHARLTON ST	CHARLTON ST	842 feet to the ESE	Closed Status Spill (Unk/Other Cause)
69	HESS SPILLED #4 FO INTO XFMR VAULT 4879	IN FRONT OF 180 VARICK STREET	852 feet to the E	Closed Status Spill (Unk/Other Cause)
20		130 LEROY STREET	866 feet to the N	Closed Status Tank Failure
70	499 GREENWICH STREET	499 GREENWICH STREET	870 feet to the S	Closed Status Spill (Unk/Other Cause)
71	SUBWAY TUNNEL	VARICK ST/VANDAM ST	928 feet to the ESE	Closed Status Spill (Unk/Other Cause)
21	MANHATTAN WEST 01 DOS -DDC	297 WEST STREET	929 feet to the SW	Closed Status Tank Failure
38	297 WEST STREET	297 WEST STREET	929 feet to the SW	Closed Status Tank Test Failure
39	DEPT OF SANITATION	297 WEST STREET	929 feet to the SW	Closed Status Tank Test Failure
72	NYC SANITATION GARAGE	297 WEST STREET	929 feet to the SW	Closed Status Spill (Unk/Other Cause)
73	DRUM RUN	31 RENWICK STREET	947 feet to the S	Closed Status Spill (Unk/Other Cause)
74	208130; CHARLTON ST	CHARLTON ST	950 feet to the ESE	Closed Status Spill (Unk/Other Cause)
75		129 LEROY ST	969 feet to the N	Closed Status Spill (Unk/Other Cause)
76	HUDSON RIVER - PIER 40	WEST SIDE HIGHWAY	971 feet to the WNW	Closed Status Spill (Unk/Other Cause)
77	PIER 40 / HOLLAND TUNNEL	PIER 40 / HOLLAND TUNNEL	971 feet to the WNW	Closed Status Spill (Unk/Other Cause)
78	HUDSON RVR SOUTH PIER 40	HUDSON RVR SOUTH PIER 40	971 feet to the WNW	Closed Status Spill (Unk/Other Cause)
79	LEROY ST/HUDSON ST	LEROY ST BY HUDSON ST	972 feet to the NNE	Closed Status Spill (Unk/Other Cause)
80	HUDSON RIVER	CANAL ST	997 feet to the SW	Closed Status Spill (Unk/Other Cause)
81	HUDSON RIVER	CANAL STREET	997 feet to the SW	Closed Status Spill (Unk/Other Cause)
82	LIBERTY VIEW CORP	533 CANAL ST	1000 feet to the SSW	Closed Status Spill (Unk/Other Cause)
83	160-170 VARICK ST	160-170 VARICK ST	1000 feet to the ESE	Closed Status Spill (Unk/Other Cause)
6	FILL PIPE LEAKED #2 FO INTO VAULT	111 LEROY STREET	1010 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
40	111 LEROY ST	111 LEROY ST	1010 feet to the NNE	Closed Status Tank Test Failure
84	VACANT BUILDING	23 RENWICK STREET	1010 feet to the S	Closed Status Spill (Unk/Other Cause)
85	HOLLAND TUNNEL/HUDSON RVR	HOLLAND TUNNEL/HUDSON RVR	1036 feet to the SW	Closed Status Spill (Unk/Other Cause)
86	HOLLAND TUNNEL	HOLLAND TUNNEL TO JERSEY	1036 feet to the SW	Closed Status Spill (Unk/Other Cause)
87	AT EASTRAMIC OF HOLLAND T	AT EASTRAMIC HOLLAND TUNN	1036 feet to the SW	Closed Status Spill (Unk/Other Cause)
88	HUDSON RIVER/HOLLAND TUNN	NO OF PIER/HOLLAND TUNNEL	1036 feet to the SW	Closed Status Spill (Unk/Other Cause)
7	VACANT PROPETRY	527 CANAL STREET	1042 feet to the SSW	Active Haz Spill (Unknown/Other Cause)

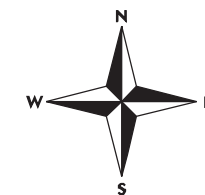
89	WASHINGTON ST NEAR	CANAL ST	1059 feet to the SSW	Closed Status Spill (Unk/Other Cause)
90	MANHOLE 28488	CANAL ST/WASHINGTON ST	1059 feet to the SSW	Closed Status Spill (Unk/Other Cause)
41	LITTLE RED SCHOOL HOUSE	40 CHARLTON STREET	1073 feet to the ESE	Closed Status Tank Test Failure
22	YELLOW FREIGHT	149 LEROY ST	1109 feet to the NNW	Closed Status Tank Failure
91	YELLOW FREIGHT	149 LEROY ST	1109 feet to the NNW	Closed Status Spill (Unk/Other Cause)
42	627 GREENWICH STREET PROPERTY	627 GREENWICH ST	1121 feet to the N	Closed Status Tank Test Failure
92	BLOCK 594 LOT 56	243-257 HUDSON ST	1133 feet to the S	Closed Status Spill (Unk/Other Cause)
93	IFO 596 CANAL ST	IFO 596 CANAL ST	1138 feet to the SW	Closed Status Spill (Unk/Other Cause)
23	ALISON ON DOMINICK ST	38 DOMINICK ST	1156 feet to the SSE	Closed Status Tank Failure
8	501-503 CANAL ST.	231-239 HUDSON ST.	1214 feet to the S	Active Haz Spill (Unknown/Other Cause)
94	STREET	HUDSON ST/ MORTON ST	1224 feet to the NNE	Closed Status Spill (Unk/Other Cause)
24	MOBIL S/S#17-JYX	290 WEST STREET	1250 feet to the SSW	Closed Status Tank Failure
25	EXXONMOBIL S/S	290 WEST STREET	1250 feet to the SSW	Closed Status Tank Failure
43	EXXONMOBIL S/S	290 WEST STREET	1250 feet to the SSW	Closed Status Tank Test Failure
44	MOBIL S/S	290 WEST STREET	1250 feet to the SSW	Closed Status Tank Test Failure
45	EXXONMOBIL #11713	290 WEST ST	1250 feet to the SSW	Closed Status Tank Test Failure
95	MOBIL SERVICE STATION	CANAL ST / WEST SIDE HWY	1250 feet to the SSW	Closed Status Spill (Unk/Other Cause)
96	MOBIL SERVICE STATION	290 WEST STREET	1250 feet to the SSW	Closed Status Spill (Unk/Other Cause)
9	GAS STATION	475 GREENWICH ST.	1315 feet to the S	Active Haz Spill (Unknown/Other Cause)
97	STREET CORNER	500 CANAL STREET	1315 feet to the S	Closed Status Spill (Unk/Other Cause)
46	COMERCIAL PROPERTY	155 6TH AVE	1328 feet to the SE	Closed Status Tank Test Failure
209	95 MORTON ST/MANHATTAN	95 MORTON STREET	1340 feet to the N	Closed Status Spill (Misc. Spill Cause)
98	STATE PROJECT 9A	WEST ST & MORTON ST	1353 feet to the NNW	Closed Status Spill (Unk/Other Cause)
99		6TH AVE/CHARLTON ST	1423 feet to the ESE	Closed Status Spill (Unk/Other Cause)
100	34 MORTON AVENUE	34 MORTON AVENUE	1439 feet to the NE	Closed Status Spill (Unk/Other Cause)
2	NEW YORK CITY ANTHRAX SITES	31 DOWNING STREET/2 PRINCE STREET	1490 feet to the ENE	CERCLIS Superfund Non-NFRAP Site
101	6TH AVENUE / SPRING ST	6TH AVENUE / SPRING ST	1490 feet to the SE	Closed Status Spill (Unk/Other Cause)
102	ROADWAY	CANAL AT HUDSON ST	1518 feet to the S	Closed Status Spill (Unk/Other Cause)
47	C TRUE BLDG CORP	465 GREENWICH ST	1519 feet to the S	Closed Status Tank Test Failure
103	BUILD ING	38 LEEROY STREET	1522 feet to the NE	Closed Status Spill (Unk/Other Cause)
26	HUDSON RIVER PARK	WEST ST/ WATT ST	1533 feet to the SSW	Closed Status Tank Failure
104		WEST ST/WATT ST	1533 feet to the SSW	Closed Status Spill (Unk/Other Cause)
48		2 KING ST	1547 feet to the E	Closed Status Tank Test Failure
105	JACK CAUFMAN	2 KING ST	1547 feet to the E	Closed Status Spill (Unk/Other Cause)
106	HOLLAND TUNNEL	HUDSON STREET	1573 feet to the S	Closed Status Spill (Unk/Other Cause)
107	HOLLAND TUNNEL	CANAL AND HUDSON ST	1573 feet to the S	Closed Status Spill (Unk/Other Cause)
108	HUDSON AND CANAL STREET	HUDSON AND CANAL STREET	1573 feet to the S	Closed Status Spill (Unk/Other Cause)
10	148 BARROW STREET	148 BARROW STREET	1595 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
109	DEANGELIS HOME	42 CARMINE STREET	1621 feet to the ENE	Closed Status Spill (Unk/Other Cause)
110	MANHOLE 47359	WATTS ST AND VARICK ST	1627 feet to the SSE	Closed Status Spill (Unk/Other Cause)
111	VARICK STREET APPROACH OF	HOLLAND TUNNEL	1627 feet to the SSE	Closed Status Spill (Unk/Other Cause)
112	VARICK ST-DIESEL DRUM	VARICK STREET/WATTS	1627 feet to the SSE	Closed Status Spill (Unk/Other Cause)
113	MH 49437	WATTS AND VARICK ST	1627 feet to the SSE	Closed Status Spill (Unk/Other Cause)
114	MANHOLE #47359	VARICK & WATT ST	1627 feet to the SSE	Closed Status Spill (Unk/Other Cause)
17	MOBIL S/S#17-AML	140-52 6TH AVE	1644 feet to the SE	Active Haz Spill (Misc. Spill Cause)
115	MANHOLE 346277	140 6TH AVE	1644 feet to the SE	Closed Status Spill (Unk/Other Cause)
116	MOBIL S/S #17-AML	140-52 6TH AVE	1644 feet to the SE	Closed Status Spill (Unk/Other Cause)
117	MOBIL S/S #17-AML	140-52 6TH AVE	1644 feet to the SE	Closed Status Spill (Unk/Other Cause)
118	MOBIL 17-AML	140-52 6TH AVE	1644 feet to the SE	Closed Status Spill (Unk/Other Cause)
11	MANHOLE 49054 N/E CRN OF	WASHINGTON/DESBROSSES ST	1664 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
12	TRINITY CHURCH BLDG - MISC	75 VARICK ST	1667 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
119	REAR YARD OF 26 COMMERCE ST	26 COMMERCE STREET	1725 feet to the NE	Closed Status Spill (Unk/Other Cause)
49	APARTMENT COMPLEX	26 CARMINE ST	1773 feet to the ENE	Closed Status Tank Test Failure

120		131 SULLIVAN ST	1830 feet to the ESE	Closed Status Spill (Unk/Other Cause)
27	HRH CONSTRUCTION CORP	101 AVENUE OF AMERICAS	1834 feet to the SSE	Closed Status Tank Failure
13	GLC PRODUCTIONS	11 WEEHAWKEN ST	1863 feet to the N	Active Haz Spill (Unknown/Other Cause)
50	LITTLE RED SCHOOL HOUSE	272 6TH AVE	1868 feet to the ENE	Closed Status Tank Test Failure
51	LITTLE RED SCHOOL HOUSE	272 6TH AVENUE	1868 feet to the ENE	Closed Status Tank Test Failure
28	22 GROVE ST	22 GROVE ST	1884 feet to the NNE	Closed Status Tank Failure
121	196 BLEECKER ST	196 BLEECKER STREET	1901 feet to the ENE	Closed Status Spill (Unk/Other Cause)
122	BETW BLEECKER & HOUSTON	83-85 MACDOUGAL ST	1903 feet to the ENE	Closed Status Spill (Unk/Other Cause)
123	MH 37285	HUDSON ST & VESTRY ST	1905 feet to the S	Closed Status Spill (Unk/Other Cause)
124	MANHOLE #37285	VESTRY ST/HUDSON ST	1905 feet to the S	Closed Status Spill (Unk/Other Cause)
125	SERVICE BX 51689	IFO 265 WEST ST	1920 feet to the SSW	Closed Status Spill (Unk/Other Cause)
29	CHASE BANK	74 VARICK STREET	1969 feet to the SSE	Closed Status Tank Failure
126	ABANDONED GAS STATION	415 WASHINGTON ST/LEIGHT	1976 feet to the SSW	Closed Status Spill (Unk/Other Cause)
127	PARKING LOT	415 WASHINGTON ST/LEIGHT	1976 feet to the SSW	Closed Status Spill (Unk/Other Cause)
128	415 WASHINGTON ST - MISC	415 WASHINGTON ST	1976 feet to the SSW	Closed Status Spill (Unk/Other Cause)
129	HUDSON RIVER/PIER 2632	HUDSON RIVER/PIER 2632	1984 feet to the SSW	Closed Status Spill (Unk/Other Cause)
130	AT INTR SCTN PRNC&THMP SN	PRINCE ST/ THOMPSON ST	2000 feet to the ESE	Closed Status Spill (Unk/Other Cause)
210	VARICK ST.& CANAL ST. / N	VARICK ST. & CANAL ST.	2002 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
30	63 VESTRY STREET	67 VESTRY STREET	2003 feet to the SSW	Closed Status Tank Failure
131	ZITO & SONS BAKERY	259 BLEECKER ST	2019 feet to the NE	Closed Status Spill (Unk/Other Cause)
132	MANHOLE #45940	THOMPSON ST & BROOME ST	2020 feet to the SE	Closed Status Spill (Unk/Other Cause)
133	204718; NE THOMPSON ST & BROOM	NE THOMPSON ST & BROOM	2020 feet to the SE	Closed Status Spill (Unk/Other Cause)
134	CONSTRUCTION	BROOME STREET & THOMPSON	2020 feet to the SE	Closed Status Spill (Unk/Other Cause)
135	THREE GAL UNK OIL IN MANHOLE 45940	THOMPSON STREET & BROOME ST	2020 feet to the SE	Closed Status Spill (Unk/Other Cause)
136	FOUR GAL UNK OIL IN MANHOLE 45949	THOMPSON ST & BROOME STREET	2020 feet to the SE	Closed Status Spill (Unk/Other Cause)
52	CLOSED-LACKOF RECENT INFO	40 GROVE STREET	2046 feet to the NNE	Closed Status Tank Test Failure
53	APARTMENT HOUSE	40 GROVE STREET	2046 feet to the NNE	Closed Status Tank Test Failure
137	MANHOLE 37957	34 LAIGHT ST	2060 feet to the S	Closed Status Spill (Unk/Other Cause)
138	BUILDING	193 BLEECKER STREET	2060 feet to the ENE	Closed Status Spill (Unk/Other Cause)
31	259 WEST STREET	259 WEST STREET	2061 feet to the SSW	Closed Status Tank Failure
14	48 LAIGHT STREET	48 LAIGHT STREET	2073 feet to the S	Active Haz Spill (Unknown/Other Cause)
139	48 LAIGHT STREET	48 LAIGHT STREET	2073 feet to the S	Closed Status Spill (Unk/Other Cause)
140	MORTON ST-GREENWICH VILL.	PIER 42 -MORTON ST	2077 feet to the NNW	Closed Status Spill (Unk/Other Cause)
141	MANHOLE #TM3851	IFO 27-35 THOMPSON ST	2092 feet to the SE	Closed Status Spill (Unk/Other Cause)
54	APARTMENT BUILDING	159 PRINCE STREET	2111 feet to the ESE	Closed Status Tank Test Failure
142	SERVICE BOX 01566	258 W.10TH ST	2112 feet to the N	Closed Status Spill (Unk/Other Cause)
143	MANHOLE 36378	GREENWHICH ST/W 10TH ST	2112 feet to the N	Closed Status Spill (Unk/Other Cause)
32	390 WEST BROADWAY	390 WEST BROADWAY	2116 feet to the SE	Closed Status Tank Failure
144	BETWEEN BEDFORD & BLEECKER	IFO #40 GROVE ST	2122 feet to the NNE	Closed Status Spill (Unk/Other Cause)
145	GARAGE	74-88 AVE OF AMERICA'S	2125 feet to the SSE	Closed Status Spill (Unk/Other Cause)
211	9 MINETTA ST/MANH	9 MINETTA STREET	2126 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
146		110 CHRISTOPHER ST	2137 feet to the NNE	Closed Status Spill (Unk/Other Cause)
15	MANHOLE 37278	LAIGHT ST/HUDSON ST	2144 feet to the S	Active Haz Spill (Unknown/Other Cause)
212	119 CHRISTOPHER STREET	119 CHRISTOPHER STREET	2151 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
147		32 THOMPSON ST	2164 feet to the SE	Closed Status Spill (Unk/Other Cause)
33	W & J GARAGE	360 WEST BROADWAY	2172 feet to the SE	Closed Status Tank Failure
148	MANHOLE 45918	GRAND ST/ THOMPSON ST	2172 feet to the SSE	Closed Status Spill (Unk/Other Cause)
149	OIL ON SOIL IN EXCAVATION	110 WEST HOUSTON STREET	2178 feet to the E	Closed Status Spill (Unk/Other Cause)
150	157 SPRING ST.	157 SPRING ST.	2220 feet to the ESE	Closed Status Spill (Unk/Other Cause)
151	MANHOLE #49688	W BROADWAY & PRINCE ST	2224 feet to the ESE	Closed Status Spill (Unk/Other Cause)
152	157 HUDSON ST	157 HUDSON ST	2245 feet to the S	Closed Status Spill (Unk/Other Cause)
153	LASTGAST LTD	157 HUDSON ST	2245 feet to the S	Closed Status Spill (Unk/Other Cause)
154	ABANDON GAS	350 WEST BROADWAY	2247 feet to the SE	Closed Status Spill (Unk/Other Cause)

155	CONSTRUCTIO PROJ	350 WEST BROADWAY	2247 feet to the SE	Closed Status Spill (Unk/Other Cause)
55	PROPERTIES SOLUTIONS	155 SPRING STREET	2262 feet to the ESE	Closed Status Tank Test Failure
156	521 HUDSON ST	521 HUDSON ST	2273 feet to the NNE	Closed Status Spill (Unk/Other Cause)
157	EXIT 5 ST JOHNS ROTARY	LAIGHT ST/VARICK ST	2279 feet to the SSE	Closed Status Spill (Unk/Other Cause)
158	MANHOLE 49632 IN FRONT OF	338-42 WEST BROADWAY	2298 feet to the SE	Closed Status Spill (Unk/Other Cause)
213	399 WASHINGTON STREET	399 WASHINGTON STREET	2299 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
159	406-410 WEST ST	406-410 WEST ST	2305 feet to the N	Closed Status Spill (Unk/Other Cause)
160	SERVICE BOX 26200	21 BARROW ST	2310 feet to the NE	Closed Status Spill (Unk/Other Cause)
161	MANHOLE 46247	CANAL ST/6TH AVE	2315 feet to the SSE	Closed Status Spill (Unk/Other Cause)
162	MANHOLE 46253	CANAL ST/6TH AVE	2315 feet to the SSE	Closed Status Spill (Unk/Other Cause)
163	UNDERGROUNDS AT	151 HUDSON ST	2316 feet to the S	Closed Status Spill (Unk/Other Cause)
164	205829; 149 HUDSON ST	149 HUDSON ST	2338 feet to the S	Closed Status Spill (Unk/Other Cause)
34	105 WOOSTER STREET	105 WOOSTER STREET	2368 feet to the ESE	Closed Status Tank Failure
165	WEST BROADWAY	AND GRAND ST	2375 feet to the SSE	Closed Status Spill (Unk/Other Cause)
166	OUTSIDE	214 SULLIVAN ST	2375 feet to the ENE	Closed Status Spill (Unk/Other Cause)
167	MANHOLE #37270	HUDSON ST/HUBERT ST	2378 feet to the S	Closed Status Spill (Unk/Other Cause)
168	HUDSON RIVER	PIER 49 TO ELLIS ISLAND	2381 feet to the NNW	Closed Status Spill (Unk/Other Cause)
169	MH 46247	CANAL ST/LAIGHT ST	2382 feet to the SSE	Closed Status Spill (Unk/Other Cause)
214	CANAL STREET PUMP STATION	CANAL STREET / PUMP STAT.	2382 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
170	HOLLAND TUNNEL EXIT	NEW YORK BOUND ROTARY	2408 feet to the S	Closed Status Spill (Unk/Other Cause)
171	VACANT PROPERTY	176 PERRY ST	2427 feet to the N	Closed Status Spill (Unk/Other Cause)
16	FORMER DOVER GARAGE	534 HUDSON STREET	2434 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
35	FORMER TAXI GARAGE	534 HUDSON STREET	2434 feet to the NNE	Closed Status Tank Failure
172	MANHOLE 46243	IFO 55 6TH AV	2466 feet to the SSE	Closed Status Spill (Unk/Other Cause)
173	MANHOLE # 46243	IFO 55 6TH AVE	2466 feet to the SSE	Closed Status Spill (Unk/Other Cause)
56	6 PRECINCT NYPD -DDC	233 WEST 10TH STREET	2469 feet to the NNE	Closed Status Tank Test Failure
57	6 PRECINCT NYPD -DDC	233 WEST 10TH STREET	2469 feet to the NNE	Closed Status Tank Test Failure
174	6TH PRECINCT NYPD -DDC	233 WEST 10TH STREET	2469 feet to the NNE	Closed Status Spill (Unk/Other Cause)
175	209253; CORNELIA ST ST	CORNELIA ST ST	2473 feet to the NE	Closed Status Spill (Unk/Other Cause)
176	PRINCE STREET	PRINCE ST & WOOSTER ST	2481 feet to the ESE	Closed Status Spill (Unk/Other Cause)
177	GAS STATION	CHARLES ST AND HUDSON ST	2482 feet to the NNE	Closed Status Spill (Unk/Other Cause)
178	CONSTRUCTION SITE	PERRY STREET+WEST STREET	2489 feet to the N	Closed Status Spill (Unk/Other Cause)
179	COMMERCIAL PROPERTY	325 WEST BROADWAY	2494 feet to the SSE	Closed Status Spill (Unk/Other Cause)
180	MANHOLE 46243	47-61 AVE OF AMERICAS	2498 feet to the SSE	Closed Status Spill (Unk/Other Cause)
181	155 WOOSTER ST	155 WOOSTER ST	2514 feet to the E	Closed Status Spill (Unk/Other Cause)
182		149 WOOSTER ST	2522 feet to the ESE	Closed Status Spill (Unk/Other Cause)
183	124 PRINCE ST/MANHATTAN	124 PRINCE STREET	2544 feet to the ESE	Closed Status Spill (Unk/Other Cause)
58	SPRING STREET ASSOCIATES	131-137 SPRING ST	2561 feet to the ESE	Closed Status Tank Test Failure
3	MOBIL S/S	386 CANAL STREET	2578 feet to the SSE	Active Tank Failure
4	BRT REALITY TRUST	476 BROOME STREET	2585 feet to the SE	Active Tank Test Failure
59	REAL ESTATE TRANS.	476 BROOME STREET	2585 feet to the SE	Closed Status Tank Test Failure
184	CONSTRUCTION SITE	311 WEST BROADWAY	2600 feet to the SSE	Closed Status Spill (Unk/Other Cause)
185	VAULT 8161	WOOSTER ST/GRAND ST	2617 feet to the SE	Closed Status Spill (Unk/Other Cause)
186	VAULT # 8161	WEST WORCHESTER/GRAND STR	2617 feet to the SE	Closed Status Spill (Unk/Other Cause)
187	TEMPORARY FUEL TANK	505 W BROADWAY	2618 feet to the E	Closed Status Spill (Unk/Other Cause)
188	MANHOLE 37268	ERICKSON PL & HUDSON ST	2636 feet to the S	Closed Status Spill (Unk/Other Cause)



Toxics Targeting 1 Mile Radius Map 551-561 Greenwich Street New York, NY 10013



New York County



National Priority
List (NPL)



Inactive Hazardous Waste
Disposal Registry Site



Inact. Haz Waste Disp.
Registry Qualifying



RCRA Corrective
Action Facility



Site
Location



County
Border



1 Mile
Radius



1/4 Mile
Radius



Waterbody



Railroad
Tracks



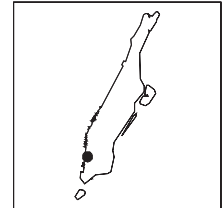
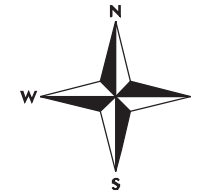
1/2 Mile
Radius



1/8 Mile
Radius

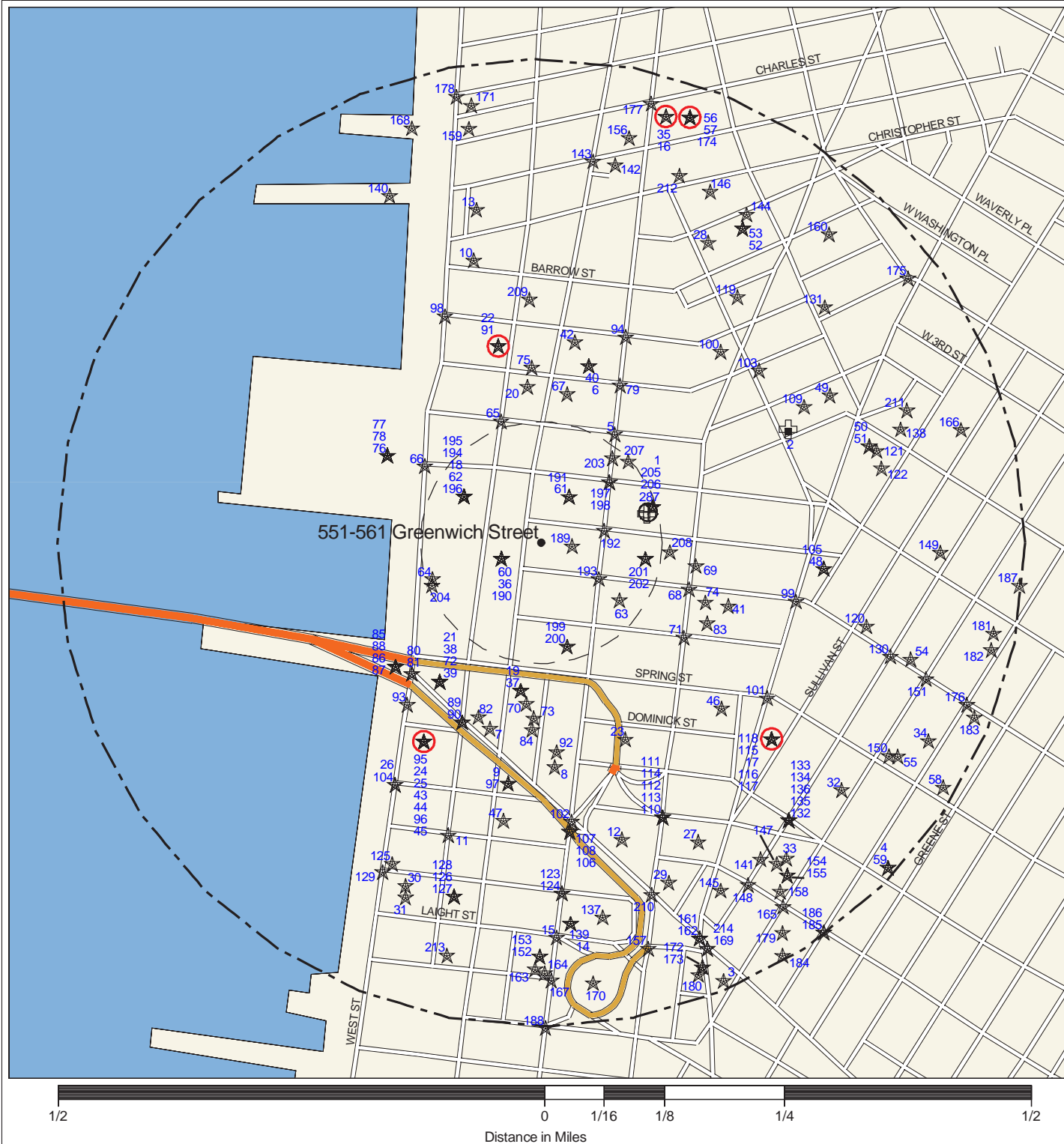
Distance in Miles

Toxics Targeting 1/2 Mile Radius Map 551-561 Greenwich Street New York, NY 10013

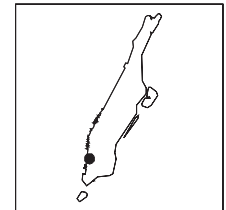
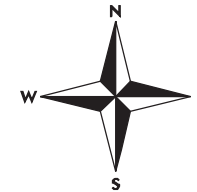


New York County

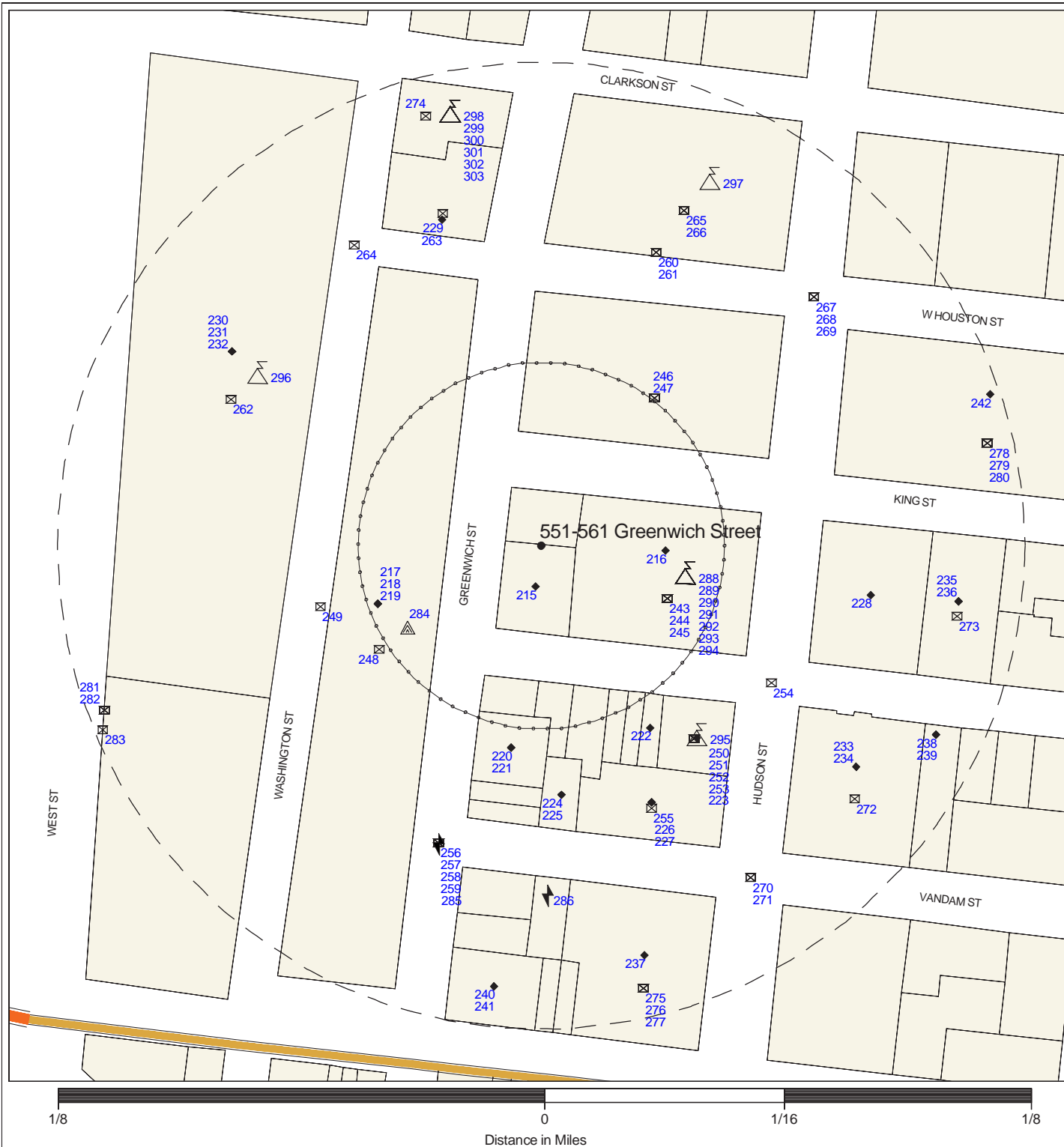
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Brownfields Site
- Hazardous Material Spill
- MTBE Gasoline Additive Spill
- Site Location
- Waterbody
- County Border
- 1 Mile Radius
- 1/4 Mile Radius
- Railroad Tracks
- 1/2 Mile Radius
- 1/8 Mile Radius



Toxics Targeting 1/8 Mile Radius Map 551-561 Greenwich Street New York, NY 10013

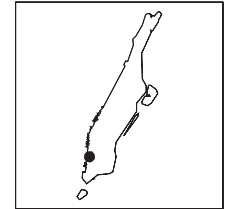
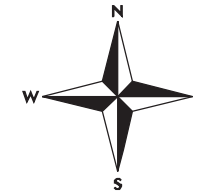


New York County



- | | |
|------------------------------------|---------------------------------|
| Major Oil Storage Facility | Enforcement Docket Facility |
| Chemical Storage Facility | Air Release |
| Toxic Release | Env Qual Review E Designation |
| Wastewater Discharge | Petroleum Bulk Storage Facility |
| Hazardous Waste Generator, Transp. | Historic Utility Site |
| Site Location | Waterbody |
| County Border | Railroad Tracks |
| 1/8 Mile Radius | 250 Foot Radius |

Toxics Targeting 1/8 Mile Closeup Map 551-561 Greenwich Street New York, NY 10013



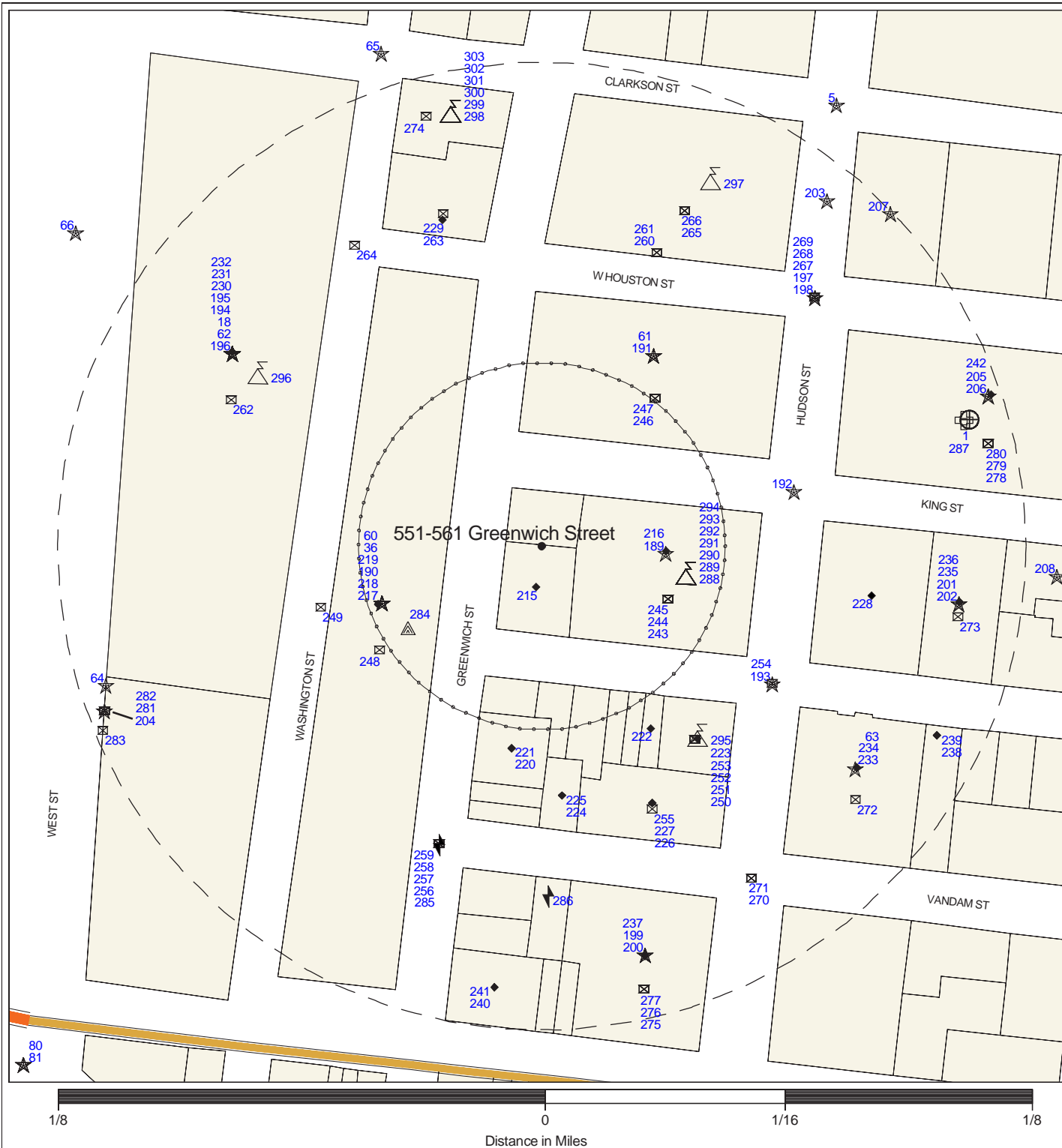
New York County

- | | |
|---|--|
| National Priority List (NPL) * | Delisted NPL Site ** |
| CERCLIS Superfund Non-NFRAP Site ** | CERCLIS Superfund NFRAP Site ** |
| Inactive Hazardous Waste Disposal Registry Site * | Inact. Haz Waste Disp. Registry Qualifying * |
| Hazardous Waste Treater, Storer, Disposer ** | RCRA Corrective Action Facility * |
| Hazardous Substance Waste Disposal Site ** | Solid Waste Facility ** |
| Major Oil Storage Facility **** | Brownfields Site ** |
| Chemical Storage Facility **** | Hazardous Material Spill ** |
| Toxic Release **** | MTBE Gasoline Additive Spill ** |
| Wastewater Discharge **** | Petroleum Bulk Storage Facility **** |
| Hazardous Waste Generator, Transp. **** | Historic Utility Site **** |
| Enforcement Docket Facility **** | Air Release **** |
| Env Qual Review E Designation ***** | |

- | | |
|-----------------|-----------------|
| Site Location | Waterbody |
| County Border | Railroad Tracks |
| 1/8 Mile Radius | 250 Foot Radius |

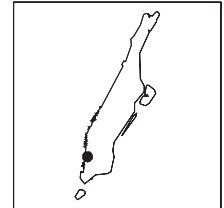
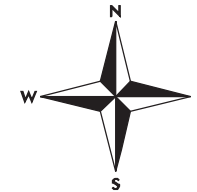
* 1 Mile Search Radius
**** 1/8 Mile Search Radius

** 1/2 Mile Search Radius
***** Onsite Search (250 Ft)



Toxics Targeting Tax Parcel Map

551-561 Greenwich Street
New York, NY 10013



New York County

- | | |
|---|--|
| National Priority List (NPL) | Delisted NPL Site |
| CERCLIS Superfund Non-NFRAP Site | CERCLIS Superfund NFRAP Site |
| Inactive Hazardous Waste Disposal Registry Site | Inact. Haz Waste Disp. Registry Qualifying |
| Hazardous Waste Treater, Storer, Disposer | RCRA Corrective Action Facility |
| Hazardous Substance Waste Disposal Site | Solid Waste Facility |
| Major Oil Storage Facility | Brownfields Site |
| Chemical Storage Facility | Hazardous Material Spill |
| Toxic Release | MTBE Gasoline Additive Spill |
| Wastewater Discharge | Petroleum Bulk Storage Facility |
| Hazardous Waste Generator, Transp. | Historic Utility Site |
| Enforcement Docket Facility | Air Release |
| Env Qual Review E Designation | |

Site Location

Waterbody

County Border

Railroad Tracks



Tax Parcel Information Table

551-561 Greenwich Street
New York, NY 10013

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
1-00598-0042	551 GREENWICH STREET	CORP OF TRINITY CHURC	M1-6	G2	1	1920	652500	12500
1-00598-0048	561 GREENWICH STREET	TRINITY CHURCH CP	M1-6	G6	0		387000	7440

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
1-00596-0092	319 SPRING STREET	UPS INC (NY)	M2-4	E9	1	1949	8595000	151425
1-00597-0039	537 GREENWICH STREET	TRACY B SILVERSCHOTZ	M1-6	E1	1	1909	1192500	10000
1-00597-0045	547 GREENWICH STREET	CHARLTON COOP CP	M1-6	D4	1	1920	823500	3750
1-00597-0046	108 CHARLTON STREET	KONG KEE FOOD CORP	M1-6	F5	1	1900	401400	3683
1-00597-0050	102 CHARLTON STREET	HR GANS LLC	M1-6	C4	1	1900	630000	2500
1-00597-0051	100 CHARLTON STREET	HR GANS LLC	M1-6	C4	1	1900	354600	2400
1-00597-0052	98 CHARLTON STREET	A B ILIBASSI RLTY CC	M1-6	C4	1	1901	499500	2500
1-00597-0055	333 HUDSON STREET	333 HUDSON STREET LLC	M1-6	L2	1	1925	2997000	10066
1-00597-1101					0			
1-00598-0058	341 HUDSON STREET	PARISH OF TRINITY CHU	M1-6	O3	1	1931	37080000	49755
1-00599-0064	363 HUDSON STREET	TST 375 HUDSON, L.L.C	M1-6	O9	1	1987	86400000	69096

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites
(A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity:** Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity:** The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity:** The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity:** May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant:** The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

D1, 2, 3 -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)



NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS



NO INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS



NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

**CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS**

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1 **GENERAL SERVICES ADMINISTRATION**
201 VARICK STREET

NEW YORK, NY 10014

EPA Facility Id: NY8470000128
TT-Id: 240A-0002-055

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 601 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NY8470000128
Site Name: GENERAL SERVICES ADMINISTRATION
Site Street: 201 VARICK STREET
Site City/State/Zip: NEW YORK, NY 10014

Site-ID: 0203320

NFRAP (No Further Remedial Activity Planned) Status: NO FURTHER REMEDIAL ACTION PLANNED

USGS Hydrological Unit: 02030101
Incident Category:
Non-NPL Status: NFRAP
Federal Facility Flag: Federal Facility
Resp Federal Agency: General Services Administration

NPL Status Indicator: Not on the NPL
RCRA Flag:
Non-NPL Stat Date: 19880408

Contact information:

Person: ALIDA KARAS
Person: HELEN SHANNON

Title: Site Assessment Manager (SAM)
Title: Site Assessment Manager (SAM)

Phone: 2126374328
Phone: 2126374323
Email: SHANNON.HELEN@EPA.GOV

SITE ALIAS INFORMATION

Alias Name: GENERAL SERVICES ADMINISTRATION
Alias Street: &
Alias City/State/Zip: NY

Alias ID: 101

OPERABLE UNIT INFORMATION

Operable Unit ID: 00

Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name: Discovery
Lead: Federal Facilities
Qualifier:

Start Date:
Completion Date: 19861210
Fin Budget Src:

Operable Unit ID: 00

Name: Preliminary Assessment
Lead: Federal Facilities
Qualifier: NFRAP (No Futher Remedial Action Planned)

Start Date:
Completion Date: 19880408
Fin Budget Src: Remedial

Operable Unit ID: 00

Name: Archive Site
Lead: EPA In-House
Qualifier:

Start Date:
Completion Date: 19880408
Fin Budget Src:

Operable Unit ID: 00

FINANCIAL INFORMATION

No financial information was provided

Map Identification Number 2

NEW YORK CITY ANTHRAX SITES

31 DOWNING STREET/2 PRINCE STREET

NEW YORK, NY 10014

EPA Facility Id: NYN000205899

TT-Id: 240A-0002-066

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1490 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NYN000205899
Site Name: NEW YORK CITY ANTHRAX SITES
Site Street: 31 DOWNING STREET/2 PRINCE STREET
Site City/State/Zip: NEW YORK, NY 10014

Site-ID: 0205899

NFRAP (No Further Remedial Activity Planned) Status: NOT DESIGNATED AS NFRAP

USGS Hydrological Unit:
Incident Category:
Non-NPL Status: Status Not Specified
Federal Facility Flag: Not a Federal Facility

NPL Status Indicator: Not on the NPL
RCRA Flag:
Non-NPL Stat Date: 20060804

Site Type(s):
Category: Other

Sub-Category: Spill or other one-time event

SITE ALIAS INFORMATION

Alias Name: PRINCE STREET ANTHRAX SITE
Alias Street: 2 PRINCE STREET
Alias City/State/Zip: BROOKLYN, NY 11210

Alias ID: 101

Alias Name: DOWNING STREET ANTHRAX SITE
Alias Street: 31 DOWNING STREET
Alias City/State/Zip: NEW YORK, NY 10014

Alias ID: 102

OPERABLE UNIT INFORMATION

Operable Unit ID: 00

Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name: Non-NPL PRP Search
Lead: Federal Enforcement
Qualifier: Search Complete, Viable PRPs

Start Date: 20060222 Operable Unit ID: 00
Completion Date: 20060409
Fin Budget Src: Enforcement

Name: PRP Emergency Removal
Lead: Responsible Party
Qualifier:

Start Date: 20060227 Operable Unit ID: 00
Completion Date: 20060409
Fin Budget Src:

Name: Removal
Lead: EPA Fund-Financed
Qualifier: Cleaned up

Start Date: 20060226 Operable Unit ID: 00
Completion Date: 20060413
Fin Budget Src: Removal

FINANCIAL INFORMATION

Action Name: Removal	Financial ID: 0003
Financial Type: Commitment	Date: 20060303
Budget Source: Removal	Amount: \$250000
Action Name: Removal	Financial ID: 0002
Financial Type: Commitment	Date: 20060306
Budget Source: Removal	Amount: \$250000
Action Name: Removal	Financial ID: 0003
Financial Type: Decommitment	Date: 20060306
Budget Source: Removal	Amount: \$250000
Action Name: Removal	Financial ID: 0002
Financial Type: Actual Obligation	Date: 20060306
Budget Source: Removal	Amount: \$250000
Action Name: Removal	Financial ID: 0001
Financial Type: Commitment	Date: 20060309
Budget Source: Removal	Amount: \$250000
Action Name: Removal	Financial ID: 0001
Financial Type: Decommitment	Date: 20060309
Budget Source: Removal	Amount: \$250000
Action Name: Removal	Financial ID: 0002
Financial Type: Decommitment	Date: 20060315
Budget Source: Removal	Amount: \$250000
Action Name: Removal	Financial ID: 0001
Financial Type: Actual Obligation	Date: 20060315
Budget Source: Removal	Amount: \$250000
Action Name: Removal	Financial ID: 0002
Financial Type: Deobligation	Date: 20060411
Budget Source: Removal	Amount: \$20432
Action Name: Removal	Financial ID: 0002
Financial Type: Extramural Outlay (Payment)	Date: 20060411
Budget Source: Removal	Amount: \$20432
Action Name: Removal	Financial ID: 0004
Financial Type: Deobligation	Date: 20060519

Budget Source: Removal	Amount: \$205461
Action Name: Removal	Financial ID: 0004
Financial Type: Extramural Outlay (Payment)	Date: 20060519
Budget Source: Removal	Amount: \$205461
Action Name: Removal	Financial ID: 0003
Financial Type: Deobligation	Date: 20060612
Budget Source: Removal	Amount: \$17062
Action Name: Removal	Financial ID: 0003
Financial Type: Extramural Outlay (Payment)	Date: 20060612
Budget Source: Removal	Amount: \$17062
Action Name: Removal	Financial ID: 0005
Financial Type: Deobligation	Date: 20060718
Budget Source: Removal	Amount: \$7046
Action Name: Removal	Financial ID: 0001
Financial Type: Deobligation	Date: 20060718
Budget Source: Removal	Amount: \$65638
Action Name: Removal	Financial ID: 0005
Financial Type: Extramural Outlay (Payment)	Date: 20060718
Budget Source: Removal	Amount: \$7046
Action Name: Removal	Financial ID: 0001
Financial Type: Extramural Outlay (Payment)	Date: 20060718
Budget Source: Removal	Amount: \$65638
Action Name: Removal	Financial ID: 0006
Financial Type: Deobligation	Date: 20060825
Budget Source: Removal	Amount: \$23244
Action Name: Removal	Financial ID: 0006
Financial Type: Extramural Outlay (Payment)	Date: 20060825
Budget Source: Removal	Amount: \$23244
Action Name: Removal	Financial ID: 0007
Financial Type: Deobligation	Date: 20060919
Budget Source: Removal	Amount: \$120000
Action Name: Removal	Financial ID: 0008
Financial Type: Deobligation	Date: 20060925

Budget Source: Removal

Amount: \$4493

Action Name: Removal

Financial ID: 0007

Financial Type: Extramural Outlay (Payment)

Date: 20060925

Budget Source: Removal

Amount: \$4493

Action Name: Removal

Financial ID: 0009

Financial Type: Deobligation

Date: 20061012

Budget Source: Removal

Amount: \$26911

Action Name: Removal

Financial ID: 0008

Financial Type: Extramural Outlay (Payment)

Date: 20061012

Budget Source: Removal

Amount: \$26911

Action Name: Removal

Financial ID: 0010

Financial Type: Deobligation

Date: 20070910

Budget Source: Removal

Amount: \$9715



NO BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS



NO SOLID WASTE FACILITIES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS



NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS



HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

- 1) Tank Failures
- 2) Tank Test Failures
- 3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
- 4) Miscellaneous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

- 5) Tank Failures
- 6) Tank Test Failures
- 7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
- 8) Miscellaneous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one-eighth mile in New York City) are mapped and profiled.

Between 0.25 mile (or one-eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:

- * Tank Failures;
- * Tank Test Failures;
- * Unknown Spill Cause or Other Spill Cause;
- * Spills greater than 100 units of quantity; and
- * Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellaneous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.



ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 3	MOBIL S/S 386 CANAL STREET	MANHATTAN, NY	Spill Number: 8802456	Close Date: TT-Id: 520A-0103-820
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MAP LOCATION INFORMATION Site location mapped by: PARCEL MAPPING (2) Approximate distance from property: 2578 feet to the SSE	ADDRESS CHANGE INFORMATION Revised street: NO CHANGE Revised zip code: NO CHANGE
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Source of Spill: GASOLINE STATION Notifier Type: Responsible Party Caller Name: DRISCILLA YOUNG DEC Investigator: SPSARNOW	Spiller: MIKE MEOLA - EXXONMOBIL CORP. Notifier Name: Caller Agency: MOBIL Contact for more spill info:	Spiller Phone: Notifier Phone: Caller Phone: (516) 371-0286 Contact Person Phone:
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Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
04/18/1988		TANK FAILURE	2-157988	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

PRODUCT FOUND IN OBSERVATION WELLS, MOBIL HIRED CONSULTANTS TO CLEAN SPILL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SARNOWICZ"
 This spill site has been transferred from DEC Sigona to Remedial

Bureau B, on August 4, 2003.

Reassigned from sullivan to sigona on 11/1/00

On August 10, 2000, DEC (Sigona) and NYSDOH (McDonald) performed a site investigation with MTA (Transit Authority) and ExxonMobil (Meola) and Handex representatives to address gasoline seepage and gasoline vapors into subsurface MTA offices at Canal Street and Sixth Avenue Subway Station.

According to Handex June 5, 2000 report, air samples were compared with vapor analysis from Monitoring well No. 3. There has been a presence of free product in MW No. 3 in recent months 1999-2000.

ExxonMobil agreed to install a vapor treatment system and perform remediation of seepage from groundwater into subway tunnel.



ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 4 **BRT REALITY TRUST**
476 BROOME STREET

NEW YORK, NY 10013

Spill Number: 0605754

Close Date:
TT-Id: 520A-0098-905

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2585 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO REVISION MADE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name:

DEC Investigator: BKFALVEY

Spiller: BRT REALITY - BRT REALITY TRUST

Notifier Name:

Caller Agency:

Contact for more spill info: BRT REALITY

Spiller Phone: (718) 567-4924

Notifier Phone:

Caller Phone:

Contact Person Phone: (718) 567-4924

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/17/2006		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

CALLER REPORTS IT WAS A DRY LEAK AS A RESULT OF THE VENT AND MANHOLE COVER:

DEC Investigator Remarks:

need to trace owner & send TTF letter

8/28/06 ttf letter sent. bf

9/6/06 Spoke to Bernie at NYC Tank. They will clear off concrete from tank and determine why tank failed. Also, received letter from Aaron Adams, ex-owner, explaining that building is no longer his. Deed was signed over to 476 Broome Property, LLC, 41 Madison Avenue, 29th Floor, New York, NY 10010 on 8/24/06 (Acris).

9/7/06 spoke to Mr. haliday of Gindi Group and 476 Broome Property, LLC (212)207-9216. They are having NYC Tank repair and or replace tank within next 5 days. bf

9/12/06 sent ttf letter to new owner's manager: Solly halbi, 600 Madison Avenue, 24th Floor, NYC 10022. faxed letter to NYC Tanks at their request. bf

9/19/06 received fax letter from Gindi Group. Second fax received. Tank needs to be closed with DEC application.

9/22/06 called Solly Halabi (sp?) of Gindi Group. left message for him to call back re: application. bf

4/25/07 Property has been sold as of 9/06. Not able to find a contact phone number for new owner. Sent letter requesting closure application for tank to:
476 Broome Street Property LLC
c/o National Registered Agents
875 Avenue of the Americas, Suite 501
New york, NY 10001

Letter gives them 30 days to submit application. bf

5/25/07 received letter from National Registered Agents stating that 476 Broome Street Property is not represented by them. bf

1/31/08 bf: Found new owner via ACRIS. Letter (ttf) sent to:
476 Broome Property LLC
41 Madison Avenue, 29th Floor
New York, NY 10010

5/19/08 Inspected facility on 5/9/08. Nobody at site. Photos taken . Fill port not colorcoded. Sent NOV to 476 Broome Property LLC at address above. Administrative settlement conference scheduled for 6/10/08 at 2:30 PM. bf


ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 5	DEP PARKING LOT		Spill Number: 0411381	Close Date:
	HUDSON ST AND CLARKSON ST	MANHATTAN, NY		TT-Id: 520A-0090-848
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION		
Site location mapped by: ADDRESS MATCHING		Revised street: HUDSON ST / CLARKSON ST		
Approximate distance from property: 725 feet to the NNE		Revised zip code: NO CHANGE		
Source of Spill: UNKNOWN	Spiller: UNKNOWN - UNKNOWN VESSEL	Spiller Phone:		
Notifier Type: Local Agency	Notifier Name: APPASZADEA, MOHAMMAD	Notifier Phone: (212) 967-2212		
Caller Name: APPASZADEA, MOHAMMAD	Caller Agency: NYC DEP	Caller Phone: (212) 967-2212		
DEC Investigator: Needs Reassignment	Contact for more spill info: APPASZADEA, MOHAMMAD	Contact Person Phone: (212) 967-2212		

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/20/2005		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SOIL SAMPLE FAILURE. THE TEST CAME BACK THAT THERE WAS TWENTY DIFFERENT MATERIALS IN THE SOIL. START EXCAVATION AND TAKE MORE SOIL SAMPLES. THEY DON'T KNOW WHERE THE SOURCE WAS THAT CONTAMINATED THE SOIL. THE SUBSURFACE SOIL WAS INVESTIGATED FOR THE PRESENCE OF CONTAMINATED SOIL AND THERE WAS OIL TESTED. DISCOVERED TWO TANKS.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 6 **FILL PIPE LEAKED #2 FO INTO VAULT**
 111 LEROY STREET

MANHATTAN, NY

Spill Number: 0611866

Close Date:
 TT-Id: 520A-0090-387

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1010 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Other
 Caller Name:
 DEC Investigator: GDBREEN

Spiller: CON EDISON
 Notifier Name:
 Caller Agency:
 Contact for more spill info: MARGARET GENTLE

Spiller Phone: (347) 203-4983
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (718) 665-5700

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/26/2007		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CON ED DID THE DIGGING AND HIT THE OIL LINE ;; CON ED WILL CLEAN UP: 204253.

DEC Investigator Remarks:

spill was caused by ConEd and is being cleaned up by them.

204253. see eDocs.

4/13/07: Spill submitted for closure by Con Ed. Request denied, with comment: "Was repair made to damaged fill line? Was contractor that installed vault working for Con Ed?" (JHO)

5/15/07: spill submitted for closure by Con Ed. Response to above comment was: "Safeway Construction Enterprises was working directly for Con Edison. Safeway repaired the oil fill line. Safeway also conducted the clean up and disposed of the non-haz oily debris." Request for closure denied, with comment: "Following completion of repairs to fill line, a NYSDEC-approved precision test is required to confirm repair was successful. Was testing performed? What test method was used?" (JHO)

12/19/07: e-mail from Con Ed (Brian Bellows) regarding testing of the line:

"As mentioned, there is no access to the tank system for line testing. In addition, approval from the property owner will be needed for work on their tank as mentioned below. Any guidance in resolving this issue would be appreciated."

Attached to Con Ed (Bellows) e-mail was an e-mail from Con Ed's contractor (Robert M. Laga of The Franklin Company Contractors, Inc.), which states:

"Based upon my inspection, there is a buried tank located under the building. The tank has a fill line, vent line, suction and return. The only access to the tank is through a 24"x24" manhole to a round man-way cover, I noticed a few bolts missing in the cover. The cover has no openings on it to access the tank. The size of the tank is questionable.

"Testing the tank through approved methods by the DEC/EPA is not possible because there is no access to the tank. In the event you are required to test the tank, the DEC has allowed in the past, to test the tank through the vent line. This test would only be an indication of weather the tank was tight or non-tight. To perform a complete test, the water intrusion portion of the test must be performed. Water intrusion testing does not have to be completed if it can be demonstrated to the DEC that groundwater is well below the bottom of the tank. This could be determined suing a Geo-probe rig for an additional cost.

"Another option is to have us remove the man-way lid and weld on a 2" or 4" bung. This would allow us to test the tank the conventional method, but would require a few days to prepare and get the tank ready for testing." (JHO)

12/20/07: e-mail to Con Ed (Bellows):

"Please clarify the sequence of events for me. As I understand it, your contractor disconnected the fill line in order to install the vault. The fill line was re-connected but leaked (?) or did the leak happen during the disconnection period? At what point was the fill line re-connected?" (JHO)

12/21/07: e-mail response from Con Ed (Bellows):

"On January 26, 2007, a spill was cleaned up in the area where the contractor had removed an oil fill line when constructing a vault. When the oil company came to make a delivery, the oil leaked into the backfilled excavation. The contractor came back and excavated soil then made the repairs to the oil fill line they removed." (JHO)

12/21/07: E-mail to Con Ed (Bellows):

"Was the initial spill they cleaned up (on Jan 26) a result of the line being disconnected?" (JHO)

12/21/07: e-mail response from Con Ed (Bellows):

"According to the inspector, the final clean up was completed on 1-26-07 at 1500 hrs. Clean up was completed by Safeway construction. The affected 2 yards soil was dug up and replaced with clean soil."

1/16/08: E-mail from Con Ed (Bellows):

"Just a quick follow-up on this spill event, I believe you were checking to see if we would be required to have the entire tank system tested since the tank line could not be isolated. As mentioned previously the tank system would need to be modified for testing. Let me know if anything else is needed at this time or if a tank testing determination is made."

E-mail reply to Con Ed (Bellows):

"I spoke with our PBS staff [Jacob Krimgold], and they said the line has to be tested. I checked the records for this building, and saw that the tank system was tested in 2003 using the Horner EZ3 testing method, and is due for another test in June 2008.

Perhaps that
method can be used again." (JHO)

Map Identification Number 7 **VACANT PROPETRY**
527 CANAL STREET

NEW YORK, NY **Spill Number: 0512342**

Close Date:
TT-Id: 520A-0095-658

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1042 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: ZEB YOUNGMAN
DEC Investigator: MJHAGGER

Spiller: PETER SPIEGEL - VACANT PROPETRY
Notifier Name: ZEB YOUNGMAN
Caller Agency: PW GROCER CONSULTING
Contact for more spill info: PETER SPIEGEL

Spiller Phone: (917) 576-0732
Notifier Phone: (631) 589-6353
Caller Phone: (631) 589-6353
Contact Person Phone: (917) 576-0732

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/25/2006		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

CONTAMINATED GROUND WATER:

DEC Investigator Remarks:

01/27/06-Hiralkumar Patel. Talked with Zeb at PW. they were doing subsurface investigation of this site, which is E designated in DEP. they investigated both soil and groundwater. but they found high concentration of VOC in groundwater only. now he is waiting to hear from owner for further cleanup. Zeb going to send me the lab results for samples.
FAX for Zeb: (631) 589-6353

Talked with Mr. Peter, who is the representative of the owner. i have emailed to peter and asked him to send me owner's information.

01/30/06-Hiralkumar Patel. Left message for ZEB at PW. Also left message for Mr. Peter.

01/31/06-Hiralkumar Patel. Received email from Peter regarding owner's information and other useful stuff.

Owner of the property

The Estate of Armand Arman
c/o Gold & Gold, PC
850 Third Avenue -- 19th Floor //CURRENT OWNER//
New York, NY 10022
Attn: Robert Gold, Esq.
Phone -- 212-822-2200

My role in this case --

I am an Owner's Representative for the prospective purchaser of the property, coordinating their development efforts. The developer is:

Red Brick Canal, LLC
c/o Red Brick Properties, Inc.
73 Spring Street -- Suite 201 //POTENTIAL BUYER//
New York, NY 10012
Attn: David Slaven
Phone -- 212-966-7250
FAX -- 212-966-7550

Environmental investigation work is being performed by:

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716
Attn: Zeb Youngman, Project Manager //ENVIRONMENTAL CONSULTANT//
Phone -- 631-589-6353
Phone -- 631-589-8705
zeby@pwgrosser.com (mailto:zeby@pwgrosser.com)

Please also note that:

David Yudelson
Sive Paget & Riesel PC
460 Park Avenue //PERSON FOR FUTURE COMMUNICATION//
New York, NY 10022-1994
Phone -- 212-421-2150
FAX -- 212-421-1891
dyudelson@sprlaw.com (mailto:dyudelson@sprlaw.com)

has been retained to manage this matter, please contact him for any future communication.

I hope this provides you with all the information you requested. If not or if there is anything that needs further clarification please feel free to contact me.

Sincerely,

Peter Spiegel, Principal
Peter J. Spiegel & Associates, LLC
Program & Project Management Owner & Tenant Representation Consulting
639 West End Avenue, No. 16-D
New York, NY 10025 - 7343
Cell -- 917-576-0732; Phone -- 212-595-8804; Fax -- 212-595-0797; E-mail --
spieg563@aol.com

Left message for Zeb asked to send site plan and sample results. Talked with Zeb and as per him we will receive the required information late today.

need to send CSL

1/31/06 - Raphael Ketani. I sent a CSL to Robert Gold, David Slavin, Zeb Youngman, and David Yudelson.

2/1/06 - Raphael Ketani. I reviewed the analytical data package dated January 18, 2006 from American Analytical Laboratories that was originally e-mailed to Kumar Patel of the Spills Unit on 1/31/06. SB-5 and SB-6 showed a high mercury concentration and a mercury exceedence, respectively. GW-1 showed many volatile and metal analyte exceedences and GW-2 and GW-3 each had several volatile analyte exceedences. I will send a letter to Mr. Yudelson stating that the soil and water have to be removed and cleaned up, respectively.

3/17/06 - Raphael Ketani. I tried to call Mr. Yudelson regarding the site, but could only leave a voice mail.

4/6/06 - Raphael Ketani. Mr. Yudelson called me back at 2:55PM and said that he has received the work plan and will overnight it to me.

4/7/06 - Raphael Ketani. Today I received the Sub-Surface Investigation Report and the Remedial Action Plan for the site, both dated April 2006. I finished my review of the reports and will send out a letter stating that the DEC finds the reports acceptable. Additionally, the letter will state that they should do repeated rounds of groundwater vacuuming and should sample the water after each round of ORC injection or bioremediation to make sure things are being cleaned up, or at least reduced.

5/24/06 - Raphael Ketani. Case transferred from Ketani to Tang as per authorization by Randall Austin, Spills Program Manager, due to analytical results showing groundwater contamination.

11/03/06 Re-assigned from Tang to Chanda (Chanda)

11/06/06: Kartik Chanda of DEC reviewed documents and reports regarding this spill case. On 11/6/06, Chanda called to Zeb Youngman, project manager, P.W.Grosser Consulting, requiring present site status and updated information. He stated that the last six months they did not perform any work regarding this spill case. The investigation work will be started next April, 2007.

12/21/06: Chanda sent an email to Zeb Youngman (P.W Grosser), requiring that the delineation of groundwater contamination up & down gradient and groundwater flow direction be submitted to the DEC for review by 2/20/07.

4/17/07: Chanda sent a reminder letter to RP (Robert Gold) and his attorney (D. Yudelson) and consultant (Zeb Youngman), requiring that the delineation of groundwater contamination up & down gradient and groundwater flow direction must be submitted to the Department by 5/31/07.

6/1/07: Chanda received a phone call from Zeb Youngman. On 6/4/07, Chanda introduced with ExxonMobil personnel (1) Jerri Hanles (Claim advisor), (2) Frank Messina (Remediation Engineer)and Mr. Brendan Mooney, Kleinfelder Environmental by telephone conference regarding this spill case.

6/6/07: Chanda received an e-mail from Brendan Mooney. He stated that Kleinfelder is working on behalf of ExxonMobil to prepare a work Plan for this spill case. He requested two week extensions to submit Work Plan. On 6/6/07, Chanda approved two week extensions to submit the work plan. Therefore, a work Plan is submitted to the DEC by 6/15/07 for approval.

6/15/07: Chanda received an electronic copy of the off site remedial work plan prepared by Kleinfelder East, Inc. dated June 15, 2007.000

6/26/07: Chanda has reviewed and conditionally approved the work plan on 6/25/07. On 6/26/07, Chanda sent an approval letter to RP (Robert Gold) and attorney (David Yudelson) and consultant (Kleinfelder), requiring that a final investigation report be submitted to DEC for review by 9/25/07.

9/25/07: Chanda received an extension request letter from Brendan Mooney(Kleinfelder). Kleinfelder is requesting a 60 -day extension to submit Supplemental Off-Site Remedial Investigation report. The Department (DEC) approves a 60-day extension.

9/28/07: Chanda sent a 60-day extension approval letter to RP (Robert Gold), attorney (David Yudelson) and consultant (Kleinfelder), requiring that an investigation report must be submitted to DEC by 11/26/07 for review and approval.

12/3/07: Chanda received an extension request letter dated 11/29/07 from Mr. Brendan Mooney, Kleinfelder. He stated that the NYCDOT would not issue the required sidewalk permits due to an NYCDOT holiday embargo period (November 16, 2007 through January 2, 2008).

12/10/07: The Department (NYSDEC) approves a 90-day extension due to an NYCDOT holiday embargo (2007 Holiday Construction Embargo). The deadline extended to the February 28, 2008.

1/4/08: Chanda received a call from Brendan Mooney (Kleinfelder) regarding the schedule of the monitoring well installation at the site. He will send an email notification regarding the monitoring well installation and sampling schedule for the groundwater investigation.

2/25/08: Chanda received a call from PR's consultant regarding the deadline extension to March 30, 2008.

4/3/08: Chanda received a Subsurface Investigation Report(SIR) from Kleinfelder East Inc. dated March 28, 2008.

5/22/08: Chanda has reviewed the SIR (Off-site) and has the following comments:

* Installation of four soil borings completed as monitoring wells MW-1 through MW-4.

*On January 31, 2008, groundwater monitoring wells MW-1 through MW-4 were sampled and analyzed for VOCs and SVOCs.

* The groundwater (GW) analytical results showed elevated levels of volatile organic compounds (VOCs). Total BTEX concentrations ranged from 11 ppb to 3,614 ppb.

5/23/08: Chanda sent a letter to RP (Robert Gold) and his attorney & consultant(Kleinfelder), requiring that the Site Status Update Report should include quarterly groundwater sampling and monitoring analytical results both on-and off site wells. Upon review of the Site Status Update Report, the Department may require an update Remedial Action Plan for this site. The Department requires that the Site Status Update Report be submitted to the Department by 8/8/08 for review and approval.

6/3/08: DEC's letter dated 5/23/08 is bounce back to the sender. Chanda called Mr. Slavan (212-966-7250) to get the current property owner name and address. The current property owner name is:

Ms. Corice Arman
430 Washington Street
New York, NY 10013

6/3/08: Chanda changed the current owner name Ms. Corice Arman instated of Robert Gold and sent DEC's letter dated 5/23/08 to the current owner (Ms. Arman) requiring that the Site Status Update Report (with including quarterly groundwater sampling and monitoring analytical results both on-and off site wells) be submitted to DEC by 8/8/08 for review and approval.

6/23/08: Chanda received a Site Status Update Report dated 6/16/08, prepared by Kleinfelder East, Inc., on behalf of ExxonMobile Oil Corporation for this site.

7/8/08: Chanda has reviewed the Site Status Update Report and has the following information:

* On April 10, 2008, Kleinfelder gauged and sampled four groundwater monitoring wells.

* Liquid-phase hydrocarbons (LPH) were not detected in the monitoring wells gauged.

The Groundwater analytical data are following:

Date:	01/31/08	MW-1	MW-2	MW-3	MW-4
-------	----------	------	------	------	------

BTEX (ug/L)	11	3,614	816	57.3	
-------------	----	-------	-----	------	--

MTBE (ug/L)-----0.87-----10.0-----5.0-----11.1

Date: 4/10/08

BTEX (ug/L)-----1.19-----370-----412-----36

MTBE (ug/L)-----1.1-----2.2-----2.0-----7.2

Analytical data indicates a decrease in dissolved-phase hydrocarbon concentrations between the January and April 2008 sampling events.

7/9/08: Chanda sent a letter to RP's attorney and consultant (Kleinfelder), requiring that the next quarterly report be submitted to DEC by 8/15/08 for review.

7/21/08: Chanda has received a phone call from Mr. Michael Haggerty, Remedial Bureau, Section B, Central Office, Albany. He stated that all ExxonMobil projects have been managed by Central Office. He would like to assign this project.

7/22/08: Chanda consulted with Vadim and Joe (NYSDEC, Region 2) and sent the spill related file to Michel Haggerty, Remedial Bureau, Section B, Central Office, Albany.

Map Identification Number 8 **501-503 CANAL ST.**
231-239 HUDSON ST.

NEW YORK, NY

Spill Number: 0801296

Close Date:
TT-Id: 520A-0214-854

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1214 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Local Agency
Caller Name:
DEC Investigator: hrpatel

Spiller: YASH SAHA - 501-503 CANAL ST.
Notifier Name:
Caller Agency:
Contact for more spill info: YASH SAHA

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 636-0800

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/27/2008		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

Lab results for both addresses showed soil and groundwater contamination. Hydrotech will be doing the remediation at the site.

DEC Investigator Remarks:

05/05/08-Hiralkumar Patel. spoke with Yash Saha at Hydrotech. asked her to submit all available reports for the subject site alongwith property owner's information.

Yash Saha
Hydrotech
PH. (718) 636-0800 (O)
(631) 433-5048 (C)
email: ysaha@hydrotechenvironmental.com

05/06/08-Hiralkumar Patel. received following reports from Yash:

1. Phase I
2. Investigation work plan and health & safety plan
3. subsurface investigation report
4. remedial action plan and construction health and safety plan

abstract of Phase I:

- subject property is defined as 231-239 Hudson Street (Block/lot: 594/99) and 501-503 Canal Street (Block/lot: 594/114-115)
- "E" designation
- vicinity of site consists of residential and commercial buildings
- site 231-239 Hudson street (block/lot: 594/99) was formerly a storage and trucking terminal prior to being converted to one story parking facility
- a fill port noted at the entrance of the garage along Renwick Street and hydraulic parking lift is present at site (block/lot: 594/99) <-----
- block/lot: 594/114 is developed with a five story residential building with a basement
- block/lot: 594/115 is developed with one story garage for car electronic installation
- topography of the subject property slopes gently to the west towards Hudson River <-----
- Sanborn maps dated 1950 through 1996 indicated Lot 99 was developed as an "Express Depot" containing a gasoline tank in the western portion of the lot <-----
- maps from 1950-1996 indicated Lot 115 was developed with one story repair shop <-----
- Hydrotech believes that none of the adjacent properties identified on fire maps should impact upon the environmental quality of the subject property

abstract of subsurface investigation report:

- did GPR survey and installed 15 borings and six wells
- lot 99 is one story parking garage, lot 114 is 5-story residential building with basement which is 6 ft bg with limited access,

lot 115 is one story garage for car electronic installation

- present buildings at the site will be demolished and developed with a 11-story mixed use (residential/retail) building with cellar; cellar will be approx. 12 ft bg. <-----

- GPR survey in lot 99 could not be performed in the vicinity of the hydraulic lifts located in the southern portion of the garage due to protruding mechanical structures <-----

- GPR was performed in remaining portion of lot 99 and found two anomalies; one anomaly was identified in northern portion and it is approx. 7 ft * 5 ft, second anomaly was identified in the southwestern portion and it is approx. 10 ft * 5 ft <-----

- GPR could not be performed in lot 114 due to limited access

- GPR was performed in lot 115 and found nothing

- 11 soil probes installed in lot 99, two soil probes installed in lot 114 and two soil probes in lot 115

- groundwater was encountered at a depth of 16 ft bg <-----

- all soil probes were installed 16 ft bg in lot 99 and lot 115

- due to space restriction in shallow basement in lot 114, soil probes were installed to a depth of 2 ft only

- two soil samples collected from each soil probe; first sample was collected between grade and 2 ft bg and second sample was collected where highest PID reading and/or visual and olfactory evidence of contamination were noted

- if no evidence of contamination was noted, the deepest dry sample or sample from the proposed excavation depth of 10 to 12 ft was obtained

- highest PID was found in boring SP-3 (125.7 ppm at 10-12 ft bg), SP-5 (459 ppm at 8-10 ft bg), SP-6 (892 ppm at 10-12 ft bg), SP-7 (698 ppm at 8-10 ft bg), SP-8 (241 ppm at 12-14 ft bg), SP-9 (1845 ppm at 10-12 ft bg) and SP-11 (256 ppm at 8-10 ft bg)

<-----

- total six permanent 1 inch monitoring wells installed in lot 99, with screen from 10 ft to 20 ft bg (water table at 16 ft bg)

<-----

- found heavy SVOC contamination in shallow samples (from 0-2 ft bg) from borings SP-3, SP-4, SP-5, SP-8, SP-9, SP-11 and SP-15

- found heavy VOC contamination in deep samples (with highest PID or deepest clean) from borings SP-5, SP-6, SP-7, SP-9 and SP-11

- found heavy SVOC contamination in deep samples (with highest PID or deepest clean) from borings SP-5, SP-6 and SP-9

- found heavy mercury and Lead contamination in almost all shallow soil samples

- found VOC contamination in groundwater samples from well MW-5 (installed at boring SP-5) and MW-6 (installed at boring SP-6);

minor MTBE found in well MW-1 (SP-1: 16 ppm) and MW-3 (SP-3: 86 ppb)

soil analyticals for deep samples:

	SP-5	SP-6	SP-7	SP-9	SP-11
	8-10 ft	10-12 ft	8-10 ft	10-12 ft	8-10 ft
Toluene	28,000				
Ethylbenzene	36,000		51,000		7,100
Xylene	48,000	5,000	430,000	6,300	61,000
1,3,5-Trimethylbenzene	46,000		81,000	4,600	36,000
1,2,4-Trimethylbenzene	160,000		590,000	22,000	120,000
Naphthalene	21,000		72,000		32,000

groundwater analyticals:

	MW-5	MW-6
Benzene	440	

Ethylbenzene-----140-----150
Xylene-----571-----660
1,3,5-Trimethylbenzene-----120
1,2,4-Trimethylbenzene-----200-----410
Naphthalene-----100

summary of RAP and H&S plan:

- will excavate contaminated soil and will collect endpoint samples
- vapor barrier and active SSDS will be installed at the site
- vapor barrier system (VBS) has been desinged as two seperate systems; one system is to be incorporated on slab and the other system is specific to the cellar foundation <-----
- 4 inch dia. pipe will installed around the perimeter of the building footprint (not under building) <-----

summary:

- lot 99 had gasoline tank in past
- fill port found along Renwick ave at entrance of garage at lot 99
- hydraulic lifts located on lot 99
- lot 115 is being used as repair shop
- maximum contamination found in soil at depth 8-10 ft bg
- no PID values found in any soil boring at soil/water interface <-----
- RAP proposed to excavate contaminated soil and collection of endpoint samples
- RAP proposed to install vapor barrier and active SSDS
- as per RAP, perforated pipes will be installed around the perimeter of the building footprint and no indication of any installation under building itself

sent email to Yash requiring following:

- clear copy of site map with locations of all previous boring/wells, anomalies found in lot 99, fill port found in entrance of building at lot 99
- clear copy of active SSDS and vapor barrier design and asked for SSDS design with pipes under building also (not only perimeter)
- complete contact info for property owner and project manager at NYC DEP

mentioned to Yash that the Department will forward desing of SSDS to NYS DOH for review and approval.

spoke with Yash. she mentioned that as liner will run under entire slab they are planning to install pipings around perimeter only. explained to Yash that vapor barrier will only prevent vapor coming into building but it will not treat soil by extracting vapors from area under building slab. so asked Yash to design SSDS for entire area of building (including area below slab) and asked to submit for review prior to any approval for proposed RAP.

received information about property owner and DEP project manager.

Contact info for property owner:

Ponte Equities, Inc
268 West Street
New York, NY 10013
Attn.: Vincent J. Ponte
Ph. (212) 274-1555
email: ponteequities@hotmail.com

Contact info for NYCDEP Case Manager:

Zach Schreiber, PhD
Bureau of Environmental Planning & Assessment
New York City Department of Environmental Protection
59-17 Junction Blvd.
Flushing, NY 11373
Ph. (718) 595-6443
email: ZSchreiber@dep.nyc.gov

DEP tracking #: 08DEPTECH234M <-----

sent email to Mr. Ponte to submit design of SSD system that covers entire area underneath the floor of the cellar/slab prior to approval for proposed RAP.

05/13/08-Hiralkumar Patel. received email from Rachel from Hydrotech. she mentioned that portion of property is beneath the water table and it is not possible to install venting system in this area. they proposing for positive pressure inside basement and first floor to prevent any vapor migration inside basement from subsurface.

05/16/08-Hiralkumar Patel. left message for Chris Doroski at NYS DOH regarding SSDS design.

Christopher M. Doroski
Public Health Specialist 2
Bureau of Environmental Exposure Investigation
Ph. (518) 402-7860
email: cmd16@health.state.ny.us

05/19/08-Hiralkumar Patel. received email from Chris from NYS DOH. Chris mentioned that "passive venting is not recommended as can not depend on wind currents for 100% efficiency of system. but in circumstances where the water table prevents the use of an SSDS and where vapor barriers serve a 2 fold purpose to waterproof and ensure vapor intrusion is not an issue, positive pressure is a good addition (vapor barriers are not a stand alone engineering control)." Chris also mentioned that they generally ask for follow up indoor air testing to ensure that these engineering controls are working and require that they are maintained through a site management plan and of course periodically certified to ensure that they are still operating properly. At least 3 events of air testing is require and then re-evaluate after the third to determine if the controls are working properly or if some other measure must be supplemented to prevent vapor intrusion.

05/28/08-Hiralkumar Patel. received vapor barrier system design specification. abstract:

- proposed development plan includes the construction of one 11 story residential/commercial building with a cellar
- cellar will be constructed beneath lot 99
- depth of cellar will be 12 ft bg and cellar bottom will have five ft thick concrete (means cellar slab bottom will be 17 ft bg)
- depth to water beneath the site is 16 ft bg, therefore cellar beneath lot 99 will be placed in groundwater table, therefore a vapor barrier consisting of 46-mil low permeability liner (not SSDS) will be installed beneath the cellar foundation and first floor residential lobby and cellar will be applied under positive pressure by outside air <-----
- liner under cellar extends laterally 2 ft from the outside edge of the foundation footing on all sides and vertically 17 ft to street level <-----
- remaining sections of the building on lots 99, 114 and 115 will be slab-on-grade
- depth of slab on grade will be approx. 3 ft bg
- vapor barrier and active SSD system will be installed under building slab on grade
- 4 inch dia. perforated pipe is installed around the building footprint (not under the building as asked earlier) <-----

vapor barrier design plan includes site plan drawn by Hydrotech which only shows perimeter of building and doesn't show interior details (like elevator shaft, non-load bearing walls and other structures) <-----

sent email to Chris at NYS DOH with copy of vapor barrier system design, for review.

06/03/08-Hiralkumar Patel. left message for Chris at NYS DOH. sent email to Chris with SSDS plan again.

06/05/08-Hiralkumar Patel. received email from Chris mentioning that someone from BTSA is looking at this document and asked to contact Mike Hughes. sent email to Mike Hughes.

06/06/08-Hiralkumar Patel. received email from Mike Hughes. he agreed with proposal to install impermeable exterior membrane under cellar slab with positive pressure inside, but requires at least three round of indoor air sampling. and based on results of indoor air samples, will decide whether need additional system or not. he also mentioned that active SSDS is required under building on grade (proposed plan is confusing as mentioned both active and passive system under same area).

spoke with Yash at Hydrotech. informed her that NYS DOH requires indoor air sampling after membrane installation under cellar slab and active SSDS under slab-on-grade. told her that the department will send work plan approval letter, once gets reviewed by NYS DOH and till then plan will be considered unapproved.

received email from Yash. she mentioned that the vents, that are called passive, are vents for air inflow purpose only, but system will be active.

forward this comment from Yash, to Mike at NYS DOH.

06/10/08-Hiralkumar Patel. sent letter to Mike for review (as requires indoor air sampling).

06/12/08-Hiralkumar Patel. spoke with Mike at NYS DOH. he mentioned that they can't approve or disapprove any vapor barrier/SSDS design. and also mentioned that such designs should be prepared by licensed profession engineer and he is responsible for implication of such design. requires sampling after installation and after reviewing sample analyticals, NYS DOH may require further work to address vapor issues inside the building.

received email from Mike from NYS DOH. he mentioned that they recommends installation of active SSDS and installation of passive vents for outdoor air to sub-slab is inconsistenet with EPA guidance (as it creates short circuit to the system). he also mentioned that design specifications should be approved by a NYS-licensed engineer.

06/16/08-Hiralkumar Patel. spoke with Mike at NYS DOH and asked him about requirement of indoor air sampling. Mike asked for work plan prior to any sampling.

left message for Ms. Saha at Hydrotech to revise proposed vapor barrier/SSDS plan as DOH requires complete active SSD system (not even passive vents as intake).

received call from Ms. Saha. explained her DOH's concern. sent her link for EPA guidance (for SSDS) and asked to submit revised vapor barrier/SSDS plan.

received revised vapor barrier system design specification. they removed installation of passive vents from active SSDS design (as per DOH's comments).

06/17/08-Hiralkumar Patel. sent RAP and vapor barrier design approval letter to Mr. Ponte requiring submission of work plan for indoor air sampling (as NYS DOH requires) and dewatering sampling, if happens. letter emailed to Mr. Ponte, Ms. Saha, Mike Hughes at NYS DOH and to Mr. Schreiber at NYC DEP.

received email from Ms. Saha including letter from Mr. Katz from JFK&M engineers. Mr. Katz submitted positive pressure system specifications.

Yuri Katz, P.E.
Jacob, Feinberg, Katz & Michaeli Consulting Group LLP. (JFK&M engineers)
Ph. (212) 792-8700
Fax (212) 575-1999

06/24/08-Hiralkumar Patel. received copy of letter from NYC DEP regarding their approval for foundation work only.

06/26/08-Hiralkumar Patel. received copy of letter from NYC DEP. letter was sent to NYC DOB to issue limited permits.

DEC requires: 1) work plan for indoor air sampling

e designated site.

Map Identification Number 9**GAS STATION**

475 GREENWICH ST.

MANHATTAN, NY

Spill Number: 0500657**Close Date:**

TT-Id: 520A-0099-375

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1315 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION

Notifier Type: Other

Caller Name: MUHAMMAD MAHEDE

DEC Investigator: ADZHITOM

Spiller: MUHANNAD MAHEDE - GAS STATION

Notifier Name: MUHAMMAD MAHEDE

Caller Agency: CONSULTANT

Contact for more spill info: MUHANNAD MAHEDE

Spiller Phone: (212) 675-3225

Notifier Phone: (212) 675-3225

Caller Phone: (212) 675-3225

Contact Person Phone: (212) 675-3225

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/15/2005		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

SOIL SAMPLES WERE TAEKEN AND TEST RESULTS CAME BACK AND THEY WERE ABOVE THE STANDARDS,. THIS SITE IS AN OLD GASOLINE STATION AND MOSTLY GROUNDWATER WAS AFFECTED. HAS NOT BEEN CLEANED UP.

DEC Investigator Remarks:

Sangesland spoke to consultant Muhammad Mahede at Fleming-Lee Shue (212-675-3225)

He says the site was a former gas station and used the address 500 Canal St. It had an old spill number (0408431 - Closed by DeMeo)

Now they found gasoline contaminated soil near the old sidewalk fill lines on Greenwich St and also along Watt St. The consultant is planning to dig this

A CONTAMINATED SOIL LETTER WAS NOT SENT OUT, BECAUSE THE CONSULTANT IS ALREADY MOVING FORWARD WITH A SOIL EXCAVATION IN THE NEXT FEW DAYS.*

A Closure report will be submitted to the DEC for review.

Property owner is:

Fabian Friedland

Greenwich Tiangle LLC

459 Washington St
New York, NY 10013

4/19/05 - assign to Imdadul Islam to handle. KST

5/18/05- Talked to consultant Muhammad Ahmed at 212-675-3225. He mentioned that ISRP will be sent to the Dept. soon.-II.

9/2/05- Reviewed the ISRP report and mailed out a letter today to consultant (Mr. Ahmed of F.L. Shue, Inc)cc'd to Mr. Friedland (RP) and Mr. Maurice Winter (NYCDEP)asking for deatiled investigation to delineate the contamination plume and comprehensive remedial plan by the end of October 2005.

9/10/05-Dr. Muhamed had a meeting with me today to discuss the detail of the required additional investigation. - II

9/13/05- Received today the "work plan" for required additional investigation as discussed and outlined in the meeting. It is found OK.- II

9/15/05- Sent the above Work Plan approval by email. Also, advised to screen soil and sample from the high PID reading locations as the boring for proposed well MW-2 advances. GW sample from the well is to be taken and analyzed as well.- II

11/1/05- Visited the site along with Steve today to witness the installation of three monitoring wells, advancing geoprobes (six) for soil and groundwater sampling. The proposed geoprobe in the sidewalk across the Greenwich St. is cancelled as the sidewalk is made up of granite. Dr. Mohamed told that by next four weeks they will be able to submit the report to the Dept.

12/23/05: This spill case transferred from I. Islam to J. Kolleeny.

Reviewed Remedial Investigation Report/Remedial Action Work Plan submitted in December 2005 by Fleming-Lee Shue, Inc. (FLS). Report summarized an off-site investigation performed on 11/01/05, and presents a remedial action work plan.

The investigation identified two areas of soil contamination near fill ports for former gasoline storage tanks, and groundwater contamination including 0.5 inches of free product in one well. The remedial action plan involves removal of fill port piping and excavation of contaminated soil where feasible, followed by collection of end-point soil samples, pumping of free product from water table, and application of ORC. As an interim remedial measure, monitoring wells with free product or high levels of dissolved-phase contamination will be pumped out during the week prior to soil excavation. Sent letter approving remedial plan, but asking for additional well to be installed near southeast corner of Watts & Greenwich Streets after soil excavation, followed by quarterly groundwater monitoring. - J. Kolleeny

3/2/2006 The spill report was transferred from Jon Kolleeny to Alex Zhitomirsky as per JK/KT e-mail on 3/2/2006. AZ

4/4/2006 I contacted Mohamed Ahmed (FLS)212-675-3225. They found gasoline contamination in gw. Also, free product was found in one old well. Soil and gw are contaminated at the sidewalk in two spots on the site. They observed sheen. They are waiting to start the construction. They will dig out the whole site during construction activities. The site is close to Holland Tunnel. If any free product is observed in the excavation they collect from the excavation. They must first get cleareance from the Port Authority. AZ

6/26/2006 I contacted Mohamed Ahmed. They are going to start IRM on July 5, 2006. They will pump out 2 wells on the sidewalk at

intersection of Watts and Greenwich. They will pump out around 155 gal drum from each well. Then on the 10th or 11th of July they will start removing the fill material down to 7' depth, where the most contamination was found. Then they will remove all contaminated soil up to the gwt level (approximately 11'). They will leave the excavation open for 24 hours to monitor free product accumulation. If any appears it will be pumped out. If no free product is present, ORC will be sprayed on groundwater table. They are building a residential building. They will be putting in place a vapor barrier which was approved by DEP. They will collect end point samples from the sides. Water is at the bottom of the excavation. They have 3 wells on the sidewalk which will be monitored. AZ

7/24/2006 Chris De Carlo (FLS). They started removing a fill layer. They encountered several USTs - 2x550 gal fuel oil, 4x550 gal gasoline and 2x275 waste oil tanks. 1 gasoline tank and one fuel tank were found at the corner of Canal and Watts. 3x550 USTs, one 550 fuel and 2x275 gal waste oil USTs were found at the corner of Greenwich and Canal. Gasoline tanks were encased in concrete but deteriorated. Some water and product we found in the tanks. The other tanks were not encased in concrete and contained some water and product. Seems that these tanks were causing the problem. They are removing these tanks. Excavation will be continued as planned. They will excavated below the water table. AZ

10/19/2006 Left a message for Mohamed Ahmed. Soil excavation will start on October 21, 2006. AZ

9-10-2007 Received Remedial Action Report dated August 14, 2007. Soil was excavated to the water table, approximately 14'-18' below grade. Approximately 2,700 cu yards of contaminated soil was removed from the site. 11 USTs were discovered and removed. ORC was applied to treat in-situ groundwater. Waterproofing membranes were installed under the basement slab. Post-excavation sampling was conducted. One additional monitoring well will be installed and sampling of three existing wells will be performed for a year. I contacted Mohamed Ahmed and requested that a figure with post-excavation sampling locations is modified. Total SVOCs and VOCs concentrations should be added and general gw flow indicated. AZ

9-11-2007 An e-mail was sent to Fleming Lee Shue: "I have reviewed the remedial action report and the revised map for the above site. The proposals contained in the report are approved. Soil samples should be taken and analyzed for VOCs and SVOCs during well installation. All wells should be sampled for VOCs and SVOCs. Actual groundwater flow should be established. A report containing monitoring results should be submitted to NYSDEC."AZ

11/2/2007 Spoke with Mohamed Ahmed(212-675-3225). They will install one well at the corner of Watts Street and Greenwich Street. Also, one well will be re-installed at Watts Street. All wells should installed utilities permitting. AZ

11/5/2007 An e-mail was sent to M. Ahmed: "As per DEC's e-mail dated 9/11/07, DEC approved installation of one monitoring well on a sidewalk at the corner of Watts Street and Greenwich Street. Also, one well should be re-installed on Watts Street. All wells should be installed utilities and structures permitting."AZ

11/19/2007 A "sidewalk letter" was issued upon M. Ahmed and NYC DOT request to expedite wells installation. AZ

5--5-2008 Reviewed First Quarter Monitoring Report dated February 20, 2008. I contacted Mohamed Ahmed and conveyed to him my comments regarding this report. The report stated that naphthalene was the only compound exceeding NYS TOGS while table 3 indicated that other compounds were also exceeded, e.g. MW-3 had 312 ppb of the Total VOCs (exceedances only). The spill number indicated on the report was incorrect. I requested that in future the total VOC and SVOC concentrations are calculated and shown on the plume map. Also, I requested that e-copies of the reports are sent to DEC. The Consultant will make necessary changes. The Consultant recommended the continuance of the groundwater monitoring program. I concurred. AZ

5-23-2008 Groundwater map with sampling results was submitted. AZ

9-3-2008 Reviewed Report submitted by FLS on May 9, 2008. The remedial activities conducted at the site consisted of removing UST fields, piping, fill ports and dispensers;soil excavation and disposal, post excavation soil sampling, soil and gw Bioremediation, and installation of a vapor barrier and waterproof membrane.. Previously (February 2008 report) light petroleum odor was observed in wells MW-1 and MW-3R during sampling. Groundwater analytical results for MW-1 and MW-3R indicated several VOCs exceedances of the NYSDEC Guidances(TOGS). During the latest sampling round(April 2008)several VOCs were detected in MW-3R exceeding TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values (391.6 ppb). It's a slight increase when compared with 1/11/2008 monitoring event (314 ppb). FLS recommended continuing monitoring. AZ

Map Identification Number 10 **148 BARROW STREET**
148 BARROW STREET

MANHATTAN, NY

Spill Number: 9400447

Close Date:
TT-Id: 520A-0096-976

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1595 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Federal Government
Caller Name: KIM HANNA
DEC Investigator: vszhune

Spiller: CITY
Notifier Name:
Caller Agency: NYC DEP
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-4681
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/11/1994		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

Caller Remarks:

DEP DOING EXCAVATION WORK - GASOLINE ODORS - REQUEST A SPILL PERSON TO SHOW UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"

10/10/95: This is additional information about material spilled from the translation of the old spill file: UNK GASOLINE ODORS.

4/12/04-Vought-Spill transferred from Tibbe to Rommel as per Rommel.

Albany assignment: "adebong"

9/7/06 - Austin - Assigned from Albany to Region 2 staff (Ketani) for review and closure - end

10/30/06 - Raphael Ketani. The record was found for the site. DEP was digging and found gasoline odors. Kim Hanna of DEP (718) 595-4681 was the person in charge at the time.

The site is at 148 Barrow Street, Manhattan. Block/lot are 00604/0030. It is presently owned by William Gottlieb Real Estate, 544 Hudson Street, NY, 10014-3233. There is no PBS record. The phone number is: (212) 989-3100. I tried calling Mr. Gottlieb, but could only leave a message.

Two sets of 8260 only analytical results are present. Sample SH-1 (soil) has as much as 26270 ppb of total xylenes - among many other VOC analytes in the thousands of ppb. The liquid sample (SH-2) had no hits.

11/1/06 - Raphael Ketani. I tried calling Mr. Gottlieb again. I again got his secretary or receptionist. She said that he doesn't own 148 Barrow Street, but rather 150 Barrow Street. I told her that he is listed as the owner in the NYC Property Tax records database. She said that he is listed for a lot of properties he doesn't own. She said the site is a vacant lot. I asked her to have him give me a call back anyway if he has any information. She said she will ask him.

I rechecked my investigation of the ownership of the property. I checked Property Shark, the NYC Property Tax database and ACRIS. Each database listed the property with the same block and lot and the same address, 144 to 150 Barrow Street. As the person I talked to confirmed that he owns 150 Barrow Street, I will send a CSL.

11/7/06 - Raphael Ketani. Mr. Gottlieb (212) 989-3100 called me today. He said that the site had the contamination from before his company bought the property. He said that there are no records anywhere for the cleanup of the site. He added that the property has been vacant, without tenants, for the past 10 years. However, a phase 1 investigation was recently done for the site. I asked him for a copy. He said that the phase 2 was about to start. Mr. Gottlieb stated that debris removal work will begin about 11/15/06. The phase 2 investigation company is Hillman Group, LLC. He will send me a letter with the full name, address and phone number of the company.

11/15/06 - Raphael Ketani. I received a letter today from Charles F. Fritsch, Senior Manager, at William Gottlieb Management Co., Inc. It stated the same information as is in my 11/7/06 notes.

6/25/07 - Raphael Ketani. I tried to contact Mr. Gottlieb regarding the site and the phase II report, but could only leave a message.

8/3/07 - Raphael Ketani. I tried to get ahold of Mr. Gottlieb, but could only leave a message.

8/14/07 - Raphael Ketani. I made an unannounced site visit. I took 3 pictures. The site is an old rundown hotel. The building may have been built in the nineteen teens or twenties. The owner has put modern windows in the building. They were dirty and looked

like they had been put in several years ago. A triple space garage is attached to the building. There were numerous old work permits on the inside of the door dating from 2004 to 2007. A Con Ed notice was attached to the door stating that service will be turned off. The door was locked and the entranceway was dark. There was no sign that anyone was inhabiting the building.

I tried to contact Mr. Gottlieb(212) 989-3100, but could only leave a message. The end of my message stated that if DEC doesn't hear anything from him by the end of this week, then the case will be referred to DEC's Legal division.

I received a message from A.J. Lefler of 2+3 Architects. He said he is the architect for Mr. Gottlieb and the 148 Barrow Street site. His number is (718) 387-6587, ext 13.

8/15/07 - Raphael Ketani. I tried to contact Mr. Lefler, but could only leave a message.

Mr. Lefler called me back. He said that the site encompasses 144 and 148 Barrow Street and the old Keller Hotel. He said that his firm is designing a horizontal addition to the 144 Barrow Street part of the site. The spill is in the southeast corner of the 144-148 site. Mr. Lefler added that the remediation will take place with the demolition of the 3 car garage. He said this will happen in 4 to 6 months. Hillman Environmental did the phase II. He said the contact there is David Umbach. I told Mr. Lefler that DEC never received the phase II report. He said he will have Hillman send it quickly.

8/17/07 - Raphael Ketani. Mr. Lefler called to state that DEC will receive the Phase II next week.

9/24/07 - Raphael Ketani. DEC received the Phase I Environmental Site Assessment and the Phase II Limited Investigation on 8/31/07 from 2 Plus 3 Architects, P.C. I reviewed the Phase I and the Phase II.

According to the Phase I:

The site consists of two lots, 1 and 30. Lot 1 is 150 Barrow Street, the old hotel, and lot 30 is 144-148 Barrow Street, the four car garage. The entire site was a coal storage yard up until 1898, when the hotel was built. Lot 30 continued to be a coal storage yard into the early twentieth century. In the 1930s, lot 30 became a car service business, and subsequently many other types of businesses took residence, as indicated by city records. A gasoline UST was installed in the 1950s and remained there until 1983. The old hotel was using oil, but neither the gas tank, nor the oil tank(s) were found during the Phase I that took place in 2006.

According to the Phase II:

Seven borings were attempted in the basement of the hotel. However, due to the thickness of the floor slab, only 1 soil sample was recovered. The analytical data for the sample wasn't listed in the report. No borings were attempted in the southeast quarter of the basement, nor to the southeast of boring B-4, nor in the western quarter of the basement.

GPR was used in the garage, but didn't find any evidence of a gas tank. Eight borings were attempted in the garage and 8 soil samples and 2 groundwater samples were recovered. Groundwater sample BAR-1GW had 35,300 ppb total xylenes, 1360 ppb toluene, 8020 ppb ethylbenzene, and was non-detect for benzene. Groundwater sample BAR-2GW had all non-detects, except for 0.94 ppb benzene. Soil sample BAR-1 in the east garage bay (northeast corner) had 113 ppm total xylenes, 21.2 ppm ethylbenzene, toluene 0.97 ppm, and was non-detect for benzene. Soil sample BAR-2 in the east garage bay (southeast corner) had 200 ppm total xylene, 35.7 ppm toluene, 39 ppm ethylbenzene, and 0.43 ppm benzene. All of the other soil samples were non-detect or well under TAGM. BAR-Fill (a composite of fill soil from all 4 bays) had exceedences only for the benzo series of combustion products and their associated analytes. No borings were done to the west of the bathroom.

9/25/07 - Raphael Ketani. A letter was sent out to Mr Fritsch of the William Gottlieb Management Co., Inc. requesting that more soil borings and wells be installed, and that soil and groundwater samples be taken. The letter also requested that the soil be removed in the vicinities of BAR-1 and BAR-2.

9/26/07 - Raphael Ketani. Mr. Loeffler of 2 Plus 3 Architects called to say that William Gottlieb Management Co., Inc. received the 9/25/07 letter. He said that the Phase I and Phase II were produced by Hillman Group, LLC and that Mr. Fritsch is no longer at William Gottlieb. He said to address all future letters to Mark Caldeira. Mr. Loeffler added that all of the soil removal will take place with the demolition of the garage and that all of the work mentioned in the letter will be done.

10/4/07 - Raphael Ketani. Chris Hirshmann of the Hillman Group (908) 688-7800 called to inquire as to how many wells and borings DEC wanted. I explained the September 24 letter and I told him that one well should be in the sidewalk and that he should submit an investigation plan for DEC's approval. He said will do this.

10/10/07 - Raphael Ketani. I received a well installation proposal from Mr. Hirschmann of the Hillman Group. The proposal was for the delineation of the groundwater contamination under the eastern two garage bays. Three wells are proposed in the eastern two bays. I told Mr. Hirschmann that this was fine for the groundwater investigation. I asked him about the soil borings that were asked for in DEC's 9/25/07 letter. He said he will do those, also.

12/7/07 - Raphael Ketani. I spoke to Mr. Hirshmann. He said that they finished boring and sampling yesterday. He said that the soil samples have been sent to the laboratory for analysis.

1/31/08 - Raphael Ketani. I tried to contact Mr. Hirshmann, but could only leave a message.

2/13/08 - Raphael Ketani. I contacted Mr. Hirshmann and asked him about the sample analytical results. He said that they are part of a report and the report is being reviewed and commented upon by the various involved parties. He said he will send the parties an e-mail stating the DEC wants to see the report right now. I told him that would be fine.

3/21/08 - Raphael Ketani. I spoke to Mr. Hirshmann (908) 688-7800. He said that his client is done reviewing it and that DEC should get the report very soon.

8/18/08 - Raphael Ketani. I tried to contact Mr. Hirshmann, but could only leave a message.

The case is being prepared for transfer due to a case realignment within the unit. Mr. Hirshmann needs to submit the site investigation report to DEC. The case manager should contact Mr. Hirshmann to see where the report is. It's overdue.

8/20/08 - Raphael Ketani. Mr. Hirshmann left me a message that he thought the report had been sent to DEC. He will ask his client what happened to it.

Mr. A. J. Leffler of 2+3 Architects called. He said that he had the investigation report on his desk. It just got buried. He apologized and said that he will Fed Ex it.

Map Identification Number 11 **MANHOLE 49054 N/E CRN OF**
WASHINGTON/DESBROSSES ST

MANHATTAN, NY

Spill Number: 9807991**Close Date:**
TT-Id: 520A-0092-960

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1664 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: WASHINGTON ST / DESBROSSES ST

Revised zip code: 10013

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: STEVE ROMERO
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: MR MARCY
Caller Agency: CON EDISON
Contact for more spill info: STEVE ROMERO

Spiller Phone:
Notifier Phone: (212) 338-3352
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/30/1998		UNKNOWN	NO		NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL	

Caller Remarks:

1 QT OIL IN 1000 GAL OF WATER IN MANHOLE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

9/30/98, 1045 hrs: Engelhardt e-mailed ERT Lise Lukeshides. Sampled - awaiting results. Manhole has no sewer connection.

Map Identification Number 12 **TRINITY CHURCH BLDG - MISC**
75 VARICK ST

MANHATTAN, NY

Spill Number: 9204307**Close Date:**
TT-Id: 520A-0097-320

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1667 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Local Agency
 Caller Name: M AMBROSE
 DEC Investigator: rjfeng

Spiller:
 Notifier Name:
 Caller Agency: NYCDEP
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (718) 595-4740
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/14/1992		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

OIL SEEPING THROUGH BASEMENT WALL. ATLAS TANK CO TO CLEAN.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
 3/11/03 - SAMUEL- File available in active unassigned spill files.

5/10/04 - AUSTIN - TRANSFERRED FROM SULLIVAN TO AUSTIN FOR REASSIGNMENT - END

3/3/05 - Austin - Reassigned to Rahman

04/04/04-SR// Sent a letter.

05/03/05-SR// The lawyer of the property owner requested for the extension of dead line, ending June '05.

09.19.05.SR// RP has retained First Environmental to do the required remedial and investigation work. I received subsurface investigation work plan from First Environmental(John Engdhal, 973-334-0003)which is being reviewed currently.

10.25.05 Sharif- Reviewed the Investigation Work Plan and approved, sent the letter.

12/20/05 Sharif// Case was transferred to Koon Tang for reassignment.

12/29/2005 - Feng - File reviewed by Feng:

1) Oily substance seeping through the basement wall of the Thrinity Church on 7/14/1992, spill # assigned.

2) Consultant claimed that the source was from a 20,000 gallon #6 oil UST abandoned by Atlas Tank Lining Corp on 6/1982.

3) An oil/water separator was installed as a remedy for the reported seepage in 1992 (approved by DEC)

4) On 4/13/2005, P.W. Grosser Consulting, Inc (PWGC) conducted a site inspection. They found some dark staining on the north basement wall and this staining appeared to be the result of past oil seepage through the concrete wall. There was no apparent free product.

5) Oils that accumulate in the oil/water separator are periodically removed. "Product that has seeped through the basement wall in the past would have collected in the trough, flowed to the sump, and would have been removed by the oil/water separator before being discharged to the sewer system."

6) according to the building personnel, the last time oil was removed by the separator was in 2003. so no oil has accumulated in the separator for almost 2 years.

7) On 9/2005, First Environment proposed a Subsurface Investigation Workplan. All subsurface utilities were marked out. 10 soil borings were proposed around the 20,000-gallon UST. No groundwater samples were proposed.

8) DEC approved the SIW on 10/25/2005. So waiting for the Investigation Report.

8/21/2006 - Feng - Called John Engdahl (First Environmental) and left a message for the status of the SI report. Sent Letter to Peter St. John (Trinity Real Estate) requesting the Subsurface Investigation Report. SI Report due 9/22/2006. (RJF)

9/6/2006 - Feng - John Engdahl (First Environmental) called and requested extension for submitting the RI report by 10/22/2006. They planned to hire the contractor to go inside the UST for inspection. Granted the new deadline and reminded him that licensed or FDNY approved contractor should be hired. (RJF)

11/20/2006 - Feng - Subsurface Investigation Report, 10/20/2006, by First Environment. On 5/20/2006 and 5/21/2006, soil borings SB-1 through SB-5 were installed, within 2'-5' of the UST. On 6/16/2006, SB-6 through SB-10 were installed, within 10'-15' of the UST. All the boreholes ends at 16' bg. LNAPL (#6 oil) presents in the SB-1 (9'-14'), SB-2 (10'-14'), SB-3 (8'-14.5'), SB-4 (8'-12'), SB-5 (11'-12.5'), and SB-9 (11'-12.5'). Analyticals exceedance VOCs and SVOCs. SB-1 (11'-12'), 120 ppb Benzene, 1,700 ppb Xylene. SB-2 (10.5'-11.5'), 360 ppb Benzene, 11,000 ppb Xylene. SB-3 (11'-12'), 260 ppb Benzene, 5,100 ppb Xylene. SB-4 (10.5'-12'), 220 ppb Benzene, 820 ppb Xylene. UST assessment was attempted and found the UST was filled with sand and gravel mix.

First Environment has recommended that due to the significant amount of subsurface utilities, the impacted soil was not feasible to be excavated, the tank was not feasible to be removed. And based on the soil sampling analytical results, the UST assessment observations, and the fact that recoverable product has not been collected within the oil and water separator inside the building since 2003, no further activities are warranted at the side.

DEC will require delineation of groundwater contamination. Letter requires groundwater delineation sent to Mr. Peter St. John. DEC requires 3 wells to be installed in the former SB-2, SB-5 and SB-9 area. Report due 2/1/2006. (RJF)

12/14/2006 - Feng - Spoke with John Engdahl (First Environmental). 1) Requested extension at 60 days due to the DOT embargo period which not allow to install any wells sidewalks. 2) Requested site visit to determine the monitoring wells locations because SB-2 has been encountered subsurface utilities and SB-9 was located right in the middle of the street. Scheduled site visit 12/19/2006. (RJF)

1/11/2007 - Feng - Meet with J. Engdahl, M. Butler from First Environment and P. St. John from Trinity Real Estate. The tank was extended from the edge/ the building to the curb of Watt St, so it is difficult to install wells on the street. DEC and First Environment agreed to install 2 permanent wells at the 2 ends of the tank (former SB-1 and SB-5), and 2 temporary wells on the edge of Watt Street (former SB-2 and SB-3 locations). Expect SIR to be submitted in 4/2007. (RJF)

11/21/2007 - Feng - Reviewed the Remedial Investigation Report/Remedial Action Selection Report/Remedial Action Work Plan, dated October 2007, submitted by First Environment. First Environment installed two 2-inch monitoring wells, MW-1 and MW-2 at both ends of the UST. And two 1-inch temporary wells at the boarder of Watts Street north side of the UST. Wells were gauged and product was found (#6 oil). MW-1, 0.5 feet. MW-2, 0.5 feet. TW-1, 0.1 feet. TW-2, 0.2 feet. Groundwater sample was collected from TW-1 for analysis. Minor exceedances were detected.

First Environment proposed monthly VEFR events on MW-1 and MW-2. Each event will be conducted for a total of 4.0 to 8.0 hours. the VEFR evetns would be conducted until an un-measurable of free-phase product is observed (less than 0.01 feet). In the event that a residual amount of product thickness greater than 0.01 feet, application of surfactant solution will be conducted and a detailed work plan will be submitted for approval.

Email to John Engdahl comments on the RAP. 1) determine the ROI of EFR. 2) the possibility of EFR on TW-2. 3) time frame to evaluate the EFR effectiveness. (RJF)

1/28/2008 - Feng - Reviewed the email reply from First Environment. Approved the RAP for monthly VEFR events on MW-1 and MW-2. Remedial Action Progress Report by 9/2008. (RJF)

5/9/2008 - Feng - Message from Matt Butler (First Environment 973-334-0003), EFR event will be conducting this Saturday 5/10/2008.

Spoke with Matt, the first EFR was conducted on April 12, 2008, trace of product was measured right after the EFR, and groundwater was gauged 2 weeks later, the product came back and couldn't exactly measure the thickness due the viscosity. DEC asked for emailing the EFR results to see how effective EFR on #6 oil. (RJF)

6/18/2008 - Email updates from Matt Butler (First Environment). First Environment has completed the 3rd monthly oil recovery event on 6/14/2008. During this event, approximately 98 gallons of liquid was recovered from MW-1 and MW-2. MW-1 produced the majority of product. The exact thickness of prduct in each monitoring well could not be accurately measured due to the inability of the interface probe of differentiate water and oil once it is coated with product. The next event was scheduled for 7/12/2008. (RJF)

10/14/2008 - Email from Matt Butler (Frist Environment). Next EFR event is scheduled for 10/18/2008. And they are preparing the RA progress report. (RJF)

Map Identification Number 13 **GLC PRODUCTIONS**
11 WEEHAWKEN ST

MANHATTAN, NY

Spill Number: 9609079

Close Date:
TT-Id: 520A-0096-983

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1863 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: CHRIS HYUN
DEC Investigator: HRAHMED

Spiller: UNKNOWN
Notifier Name: CHRIS HYUN
Caller Agency: GLC PRODUCTIONS
Contact for more spill info: CHRIS HYUN

Spiller Phone:
Notifier Phone: (212) 691-1038
Caller Phone: (212) 691-1038
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/21/1996		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
CRUDE OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER NOTICED THE ELEVATOR SHAFT FULL OF "CRUDE OIL" THAT WASN'T THERE THE OTHER DAY - CONSTRUCTION GOING ON NEXT DOOR ON WEST 10TH ST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"

11/01/2005 - Changed DEC lead from Tibbe to Zalewski. (Zalewski)

3/20/2006 - The number provided for the original caller is no longer current. No file was sent. Sent an e-mail to Mark Tibbe to see if he has any information on this spill and he did not. (Zalewski)

3/21/2006 - Sent letters to the original caller and the property owner requesting any available information regarding the spill within 30 days of receipt. (Zalewski)

6/21/06 - Transferred to T Knizek.

No action taken

Spill transferred back to Region 2

3/10/08 - Austin - Spill assigned to Ahmed for followup - end

Map Identification Number 14 **48 LAIGHT STREET**
48 LAIGHT STREET

MANHATTAN, NY

Spill Number: 0207349

Close Date:
TT-Id: 520A-0097-317

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2073 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: STEPHANIE DAVIS
DEC Investigator: aaobliga

Spiller: UNKNOWN
Notifier Name: 48 LAIGHT STREET ASSCO
Caller Agency: FPM GROUP
Contact for more spill info: STEPHANIE DAVIS

Spiller Phone:
Notifier Phone:
Caller Phone: (631) 737-6200 ext. 2
Contact Person Phone: (631) 737-6200 ext. 2

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved		Meets Cleanup Standards		Penalty Recommended
10/16/2002		UNKNOWN	2-608150		NO		NO
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL	
UNKNOWN MATERIAL	UNKNOWN	0	GALLONS	0	GALLONS		

Caller Remarks:

soil samples came back after testing was done

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
10/16/02 ARAKHAN/od

INVESTIGATION DONE PURSUANT TO PROPERTY TRANSFER. 8 USTs UNKNOWN SIZES, NOT REGISTERED; 2 75-GAL ASTs IN VAULT NOT REGISTERED. ELEVATED LEVELS OF VOCs AROUND USTs; XYLENES AROUND ASTs.

10/16/02 Tipple Mtg set for Oct 29 to discuss Remedial Action Plan, tank registration will be sent in prior to Mtg.

7/24/2003// removing ast's today//ust's to be addressed soon//will PROPERLY REGISTER UST'S FOR REMOVAL AND INFORM DEC PRIOR TO REMOVAL.

9/9/2003 Sangesland spoke with contractor. Tanks are being removed today, a new spill number was called in by a citizen who saw the tanks being pulled (0306088-closed). Sangesland reviewed the PBS status with Jie Zhao who noted that the tanks should be listed at "out of service- removed". The contractor said they would update the PBS records.

2/12/04 Tipple updating/// PBS registration update form arrives//given to NL for review/processing.

5/5/04 transferred from Tipple to Rommel///product is gasoline

06/02/04 transferred to Vought

6/10/04-Vought-Spoke to John Bukoski (FPM 631-737-6200) who sent in proposal for installation of four monitoring wells.

6/15/04-Vought-Received proposal via fax.

6/29/04-Vought-Reviewed proposal from FPM. Property was a gasoline station from 1945 to 1980 and more recently as an auto repair facility. "The building and USTs were recently removed and the site was excavated to approximately 15 feet below grade". Construction of a multi-story residential building is presently underway. Depth to groundwater is approximately 18-20 feet below grade. Proposal for three monitoring wells located adjoining the site and one downgradient well located on the west side of Hudson Street". "An oxygen release material (ORC) was applied to the area of impacted groundwater to promote biodegradation of the remaining petroleum".

7/2/04-Vought-Called Stephanie Davis (FPM) and left message to return call with owners contact info to send out STIPULATION AGREEMENT. Vought sent letter to DOB, NYCDOH, DEP, DOP requesting permit cancellation. Vought spoke to Davis (631-737-6200x228). RAP already approved by DEC Tipple including the installation of a sub foundation venting system and vapor barrier. Davis will send copy of UST Closure Report, RAP and previous groundwater analyticals. Foundation has already been poured along with installation of sub foundation venting system. Owner of site is:

David T. Ennis
Dayton Group, Inc.
515 Madison Avenue
Suite 1201
New York, NY 10022
Ph: 212-421-3366
Fax: 212-421-3535

7/6/04-Vought-Awaiting UST Closure Report, RAP and groundwater analyticals receipt to ensure correct Corrective Action Plan to be included in Stipulation.

7/7/04-Vought-Received copies of RAP dated 10/16/02, PBS registration letter dated 12/19/02, DEC RAP approval letter dated 12/20/02, UST Closure Report dated 3/29/04 and Sub-foundation venting system description dated 7/6/04. Report review:

Remedial Action Plan (FPM)-10/16/02. "Soil and groundwater sampling were performed onsite in June 2002". "Two groundwater samples were obtained in the UST area". "It is planned to redevelop this site with a new building, including a sub-grade area extending to approximately 10 to 11 feet below grade". "Based on this scenario it is proposed to removal all of the tanks and excavate and dispose of all petroleum impacted soil at the site to an approximate depth of at least 10 to 11 feet below grade during site redevelopment." "Following the completion of excavation in each area of the site, end point samples will be collected and analyzed to document the completeness of remediation". "It is anticipated that the limited area of moderately impacted groundwater encountered in the vicinity for the UST area will naturally attenuate". "Therefore no groundwater remediation is proposed at this time". Soil analyticals show 230000ppb ethylbenzene(SB1 16-18'), 700000ppb toluene(SB1 16-18'), 12000000ppb xylene(SB 16-18') and 3600ppb xylene(SB8 7-8'). Groundwater analyticals show 7ppb benzene(SB1), 370ppb ethylbenzene(SB1), 3100ppb toluene(SB1), 590ppb MTBE(SB1), 10ppb benzene(SB6), 110ppb MTBE(SB6) and 47ppb toluene(SB6).

Letter from FPM Davis to DEC Tipple-12/19/02. "Enclosed please find a copy of the completed Petroleum Bulk Storage Application...". "As per our meeting on 12/29/02, we understand that the procedures discussed in the RAP were acceptable with some additions (additional downgradient groundwater sampling, pumping of impacted groundwater from excavation and/or addition of ORC to the completed excavation before backfilling if necessary and installation of a vapor barrier and a passive venting system for the proposed building)." "We are requesting that you issue a short letter approving the RAP with the agreed-upon changes".

Letter from DEC Tipple to FPM Davis-12/20/02. "the DEC hereby approves FPM's recommendations for the remedial activities proposed for this site. The specific work to be performed will include: 1)the removal and proper disposal and documentation of petroleum contaminated soils 2)Downgradient groundwater sampling and remedial activities if NYSDEC deems it necessary 3)endpoint soil samples will be taken proximal to the tank removals as determined by NYSDEC Spots Memo 14 4)engineering controls will be implemented as per the December 2002 correspondence."

Underground Storage Tank Removal, Remedial Activities and Site Assessment (FPM)-3/10/04. "Only nine storage tanks were found to be present at the site during redevelopment". Tanks found were three (275-gallon) waste oil USTs, four (550-gallon) gasoline USTs and two (2000-gallon) gasoline USTs. "Excavation was performed to a depth of approximately 14 feet below grade over the entire site". "...petroleum impacted soils were present in the vicinity of the former AST vault and the gasoline UST area. " "...impacted soils were not observed in the 275-gallon waste oil UST area". A total of 2306.08 tons of soil were excavated and removed from site. Nine endpoint soil samples were collected including (EP1 through EP7 collected from the floor of the excavation at a depth of 14.5' below grade),(SW1 and SW2 were collected from the approximate depth of the former gasoline USTs (7' below grade) through accessible areas of the excavation shoring). Two groundwater samples were obtained downgradient of the former gasoline USTs. Groundwater at depth of 20' below grade. "An ORC was applied to the area of impacted groundwater to promote biodegradation of the remaining petroleum". Engineering controls will include "a high density polyethylene vapor barrier to be installed beneath the basement floor above a passive venting system such that potential vapors that might otherwise infiltrate the newly constructed building can be captured and directed to roof top stack for discharge. Periodic monitoring of this stack will be conducted once the building is completed. The monitoring results will be reported to the NYSDEC and spill closure will be requested if the monitoring results indicate that the remaining impact is negligible or non existent". "FPM does not recommend further groundwater investigation..." Soil analyticals show 1270ppb xylene(EP1), 1337ppb xylene(EP7) and minor PAH exceedences in EP7 and SW2. Groundwater analyticals show 380ppb benzene(GW1), 12000ppb ethylbenzene(GW1), 70000ppb toluene(GW1), 67000ppb xylene(GW1), 4700ppb ethylbenzene(GW2), 68000ppb toluene(GW2), 28400ppb xylene(GW2).

Letter from FPM Davis to DEC Vought-6/6/04. "Please find copies of the following..." including RAP, 12/19/02 letter, 12/20/02 letter and 3/10/04 report.

7/8/04-Vought-Sent out STIPULATION Agreement to Ennis with due date of 8/9/04 including requirement of surrounding area property usage. Vought called Ennis (212-421-3535) and left message.

7/9/04-Vought-Site visit by Vought. John Bukoski on site. Three wells adjacent to site installed. Delineation well across Hudson not possible due to basement under sidewalk. Highest PID reading found in three wells was 67ppm. No free product or sheen on water. Sub-foundation venting pipe in place. Soil sampled will be deepest dry sample and/or sample with highest PID. Additional delineation will be pending upon analysis of groundwater samples from new wells and determination of flow direction.

7/23/04-Vought-Spoke to Ennis and he referred the Stipulation to his attorney. Ennis requested Stipulation extension until groundwater analyticals are received so determination can be made between STIP or BCP.

9/20/04-Vought-Called FPM Davis for update on further action and left message to return call to DEC.

10/8/04-Vought-Reveiwed letter from FPM (Stephanie Davis 631-737-6200)dated 8/2/04 and received on 8/5/04. "...the owner of the above referenced property does not plan to sign the Stipulation ..." The reasons are as follows: 1)"work is proceeding at the property in accordance with the October 16, 2002 Remedial Action Plan". Work has included tank removal, impacted soil removal, ORC application, soil and groundwater sampling, installation of a vapor protection system in new building and well installation 2)reduction in groundwater concentrations. Groundwater results and recommendations for additional delineation "will be transmitted to you shortly" (within "approximately two weeks").

12/16/04-Vought-Reviewed well installation report received on 10/27/04 from FPM and dated 10/25/04. Installation of three monitoring wells. Exit for Holland Tunnel and a New York City Park are located to the south of the site. Multi-story commercial/residential buildings are located to the west north and east of the site. Site was excavated to a depth of 15' below grade. "A vapor barrier was installed beneath the entire concrete pad and a perforated PVC piping system was installed beneath the southern portion of concrete pad to allow any built up vapors to vent to the exterior of the building". With regards to contaminated soil under sidewalk "Although this soil is located on the edge of the property, it was not within the excavation area and was not readily accessible for removal during the excavation process". The site specific groundwater flow direction appears to be west-southwest". "Based on a comparison between the November 2003 and July 2004 groundwater analytical data, total VOC concentrations in the groundwater at the site have significantly decreased". A qualitative exposure assessment has been performed for the facility. FPM recommends the following: instillation of one well north of MW1, south of MW2, groundwater flow direction confirmation, and injection of ORC with semi annual groundwater monitoring. Soil analyticals show: 2800ppb xylene (MW1 15'bg), 91000ppb toluene(MW2 16'bg), 41000ppb ethylbenzene(MW2 16'bg), 226000ppb xylene(MW2 16'bg), 140ppb benzene(MW3 15'bg), 35000ppb (MW3 15'bg), 20000ppb ethylbenzene(MW3 15'bg), 96000ppb xylene(MW3 15'bg). Groundwater analyticals show:160ppb benzene(MW1), 3100ppb toluene(MW1), 3100ppb ethylbenzene(MW1), 21100ppb xylene(MW1), 7700ppb toluene(MW2), 960ppb ethylbenzene(MW2), 5300ppb xylene(MW2), 32ppb toluene(MW3) and 24ppb xylene(MW3). DEC approves installation of additional wells and requires: 1)signing of Stipulation Agreement 2)remediation plan to address both soil and groundwater contamination 3)complete delineation prior to submittal of remedial action plan 4)quarterly groundwater monitoring 5)MTBE to be included in analysis.

11/8/05 - Obligado - Review letter from FPM Group. Offsite well not possible due to subsurface obstructions beneath sidewalk on Hudson and Laight street. ORC injection Design and GW monitoirng plan submitted. 6200 lbs of ORC to be injected into mw1, mw2, and mw4. Planned to inject wells on several occasions. Groundwater monitoring will be semianual in injection wells, quarterly in noninjection wells and will consist of low flow samplng for NA parameters BTEX and MTBE. DEC Requires: 1) Quarterly monitoring of all wells 2)Expanded surrounding area land use map showing utilities 3) STIP is overdue.

2/3/06 - Obligado -Email from Bukowski (FPM) "I will be sending out the groundwater monitoring/ receptor survey report for 48 Laight Street (spill 0207349) early next week. In the report will be revised calculations for injection of ORC into the wells, that is anticipated to be performed in late February or early March."

3/27/06 - Obligado - Received well installion and quarterly sampling report. total VOC concentrations have decreased in monitoring wells MW1 (16700 down to 2202 ppb) and MW2 (61930 ppb down to 11830 ppb). Newly installed wells MW4 and MW5. MW4 had 1861 VOCs and MW5 below guidance values. Based on results adjusted pln to inject 150 lbs of ORC into MW1,MW2,and MW4.

6/30/06 - Obligado - Email from Bukowski, will inject ORC on July 13, 2006.

7/12/06 - Obligado - Email from Bukowski, ORC injection will occur tomorrow.

5/10/07 - Obligado - Email to Bukowki, request monitoring reports.

10/29/07 - Obligado - Called John Bukowski inquiring about monitoring report and site status. He said there is a dewatering construction project across the street. All of their wells are dry due to the lowering of the watertable. They have only have one quarter of post injection monitoring data - 1Q07. I asked him to send a letter report with monitoring results and documenting site activities.

1/11/08 - Obligado - Received update report from FPM Group, dated December 11, 2007. ORC was injected on July 13, 2006 in MW1, MW2, and MW4. 33 lbs of ORC mixed with water and injected into formation. Ground water monitoring on a semiannual basis. Total VOCs in MW1 decreased from 16770 in July 04 to 8180 ug/L in June 07. MW2 VOCs have decreased from 61,930 ug/L in July 04 to 3,489 ug/L in June 07. MW4 VOCs decreased from 1861 ug/L in November 05 to 211 ug/L in June 07. In July 2007, FPM monitored gw elevations and found wells MW1 thorough MW4 to be dry. There is a construction project accros the streeet to the south. This work may be related to the Hollan Tunnel. Dewatering associated with this project may have lowered water tables to below well screens in the FPM site. The sub-slab system was monitored for vapors on March 14, 2007 and a sample was collected from the effluent stack. BTEX and MTBE ND <0.5 ppb in effluent. FPM will continue to monitor sub-slab system effluent.

Map Identification Number 15 **MANHOLE 37278**
LAIGHT ST/HUDSON ST

MANHATTAN, NY

Spill Number: 9908057

Close Date:
TT-Id: 520A-0091-065

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2144 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: RICHARD ROACH
DEC Investigator: JHOCONNE

Spiller:
Notifier Name: RICHARD ROACH
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone: (212) 580-6764
Caller Phone: (212) 580-6766
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
10/02/1999		OTHER	NO		NO		
Material Spilled	Material Class		Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM		5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CONFINED TO MANHOLE

5 GALS IN 200 GALS WATER

CLEANUP PENDING

CON ED 128199

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 16 **FORMER DOVER GARAGE**
534 HUDSON STREET

MANHATTAN, NY

Spill Number: 9805274

Close Date:
TT-Id: 520A-0095-365

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2434 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: NON-MAJOR FACILITY (>1100 GAL)
Notifier Type: Responsible Party
Caller Name: MICHAEL TUMULTY
DEC Investigator: skcarlo

Spiller: ROBERT STILLMAN - DOVER GARAGE
Notifier Name:
Caller Agency: H2M ASSOC.INC.
Contact for more spill info: CALLER

Spiller Phone: (212) 686-2400
Notifier Phone:
Caller Phone: (973) 942-0700
Contact Person Phone: (973) 942-0700

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
07/28/1998		UNKNOWN	NO		NO		

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	UNKNOWN	0	UNKNOWN	GROUNDWATER

Caller Remarks:

Caller pulling old tank at taxi station, encountered contaminated soil.

DEC Investigator Remarks:

CALLER IS GOING TO REMOVE ALL CONTAMINATED SOIL.

DEC (Sigona) called Mike Tumulty on 7/28/98. He called back left message on 7/29/98 said they removed a 550 at former taxi storage facility. They will try to remove all of the contaminated soil and take end-point samples and send results to DEC. This is the site of the former set for the TV show Taxi.

DEC (Sigona) would perform field inspection if further excavation and remediation is necessary depending on laboratory results. 7/29/98 2:30 P.M. Developer is nervous because they plan to erect 7 story building at site.

This gasoline spill case has been reassigned from DEC (Sigona) to Rommel on January 7, 2004.

9/28/04 Transferred from Rommel to K Foley.

12/7/05 Transferred from Foley to Andersen.

12/23/05: Reviewed file. A 550 gas tank was removed and surrounding contaminated soil. GW was impacted. Latest monitoring report from H2M is dated 10/20/1999. Report indicates a significant increase in BTEX concentration after ORC was applied. H2M concluded there is an off site source and additional remedial action wasn't planned. Sigona visited the gas station (107 Charles Street/540 Hudson Street) and confirmed that they have un-registered UST's. The other potential source (6th precinct, spill # 92-12918) does not appear to be a significant contributor (see Jon Kolleenys memo). I called Chuck Martello (H2M) and left a message requesting recent monitoring data and informing him I will draft a letter with results of my potential off site source investigation.

1/3/06: Sent an additional delineation letter requiring a MW by 107 Charles Street by 2/28/06, and quarterly reports.

3/20/2006: Called Chuck Martello of H2M and he does not have any recent info about the site and has not spoken to Sligo Realty since 1999. Phone number for Gerald Cunningham of Sligo Realty is not in service. NYSDOS dept of corporations entity info lists Sligo's address as SLIGO REALTY AND SERVICE CORP., 248 W. 60TH ST., NEW YORK, NEW YORK, 10023. Property shark and acris show no title info. Recent building permits show the contact to be Seth Weinstein (212-307-0500 x228). Spoke with Seth Weinstein. He is the current owner/manager of the property, which is a condominium. He requested a fax with information regarding the spill (fax: 212-262-5697).

3/21/06: Faxed Seth Weinstein a letter requiring additional delineation and quarterly reports, a FOIL spill report, and the H2M letter/report dated 10/20/1999.

3/23/06: Received phone call from Gerald Cunningham's attorney: Matt Parisi of Bleakley, Platt and Schmidt, he is going to trial in 1 week and will give me an update on the case afterwards.

Matthew G. Parisi
Bleakley Platt & Schmidt, LLP
One North Lexington Ave.
White Plains, New York 10601
www.bpslaw.com
P: 914-287-6184
F: 914-683-6956
mparisi@bpslaw.com

5/23/06: Spoke to Matthew Parisi. He will contact rp and consultant and get back to me.

6/20/06: Left voice message for Matthew Parisi to followup on overdue delineation and quarterly reporting.

6/21/06: Received phone message from Matt Parisi, he will speak with the consultant and get back to me.

7/26/06: Left voice message with Matt Parisi on status of overdue quarterly report.

8/11/06: Left phone message with Matt Parisi on status of site.

8/21/06: Sent stipulation agreement. Due back 9/18/06.

8/25/06: Spoke with Matt Parisi. A FOIL request will be submitted for 6th precinct spill upgradient.

8/28/06: Received the cc of a FOIL request for 6th precinct spill.

10/6/06: Spoke to Matthew Parisi. I recommended he call Gloria Silva regarding the FOIL request.

10/23/06: Spoke to Matthew Parisi. He will call Gloria Silva and then call me back with an update.

10/27/06: Received email from Matthew Parisi: "Following up on our recent conversations, Gloria Silva is going to send all the documents subject to my FOIL requests to a printer for copying. I will contact you when I receive the copies."

11/13/06: Left voice message with Matthew Parisi to followup on site status. A new deadline for Stip, update report, and delineation should be established.

11/15/06: Received email from Matthew Parisi (mparisi@bpslaw.com): "I finished picking a jury this morning and the trial is starting tomorrow morning. On this matter, we received a disc containing "a portion of the 6th Precinct DEC file." It was my understanding that the rest of the documents were being copied already. However, Ms. Silva called me today and said that they were going to send them to the copy center today. She said that I would get a call about the cost involved from the copy place, who I will tell to copy the entire file. I will let you know when I hear from them and will

expedite the review process as best I can. As far as deadlines, Ms. Silva told me that she was going to copy about 2 to 3 inches worth of files. When I get them I will send them right out to H2M. If Ms. Silva's estimate is correct, I would think that we could have them reviewed within 2-3 weeks of receipt."

11/28/06: File was sent out to be copied by the Department for the FOIL request.

1/2/07: Sent email to Matthew Parisi indicating that a signed stip, update report, and delineation report are due on 2/2/07.

1/3/07: Received call from Matthew Parisi, copies from the FOIL request have not been received yet.

2/15/07: Spoke to Chuck Martello at H2M (973-942-0700 x 230). FOIL documents are under review. Groundwater will be sampled.

5/1/07: Left phone message for Chuck Martello to followup on groundwater sampling.

5/9/07: Left phone message for Chuck Martello to followup on site status.

5/10/07: Emailed Chuck Martello (cmartello@h2m.com) to followup on groundwater sampling.

5/11/07: Received phone message from Chuck Martello. He has not been able to contact the client for this site.

Left voice message for Matt Parisi.

5/17/07: Received email from Matt Parisi : "Earlier today I reached both my client and Chuck Martello from H2M regarding the outstanding issues. I believe that Chuck will be reaching out to you (or may have already). In any event, they are going to address the outstanding issues and get back to you shortly."

Spoke to Chuck Martello. Groundwater sampling planned for next week.

6/4/07: Received phone message from Churck Martello. Contract expected to be signed this week.

6/6/07: Groundwater sampling scheduled for 6/8/07, 10:30 am.

6/8/07: Witnessed groundwater sampling of MW11 and MW13. The site is currently a Rite Aid (ground floor), apartment building (hudson street entrance), and nursing home (charles street entrance).

7/17/07: Spoke to Chuck Martello. Report is in preparation.

7/31/07: Emailed Chuck Martello to followup on submittal date for groundwater sampling report.

8/15/07: Left voice message for Chuck Martello regarding overdue report.

Spoke to Chuck Martello. He is waiting for authorization to release the report from the attorney Matt Parisi.

8/22/07: Reviewed letter report. BTEX 229 ppb (MW12). MTBE 64 ppb (MW12). Sent letter requiring quarterly sampling and reporting.

2/14/08: Received phone call from Chuck Martello of H2M. Wells have been sealed with grout. He is investigating to see who sealed wells (maybe consultant for 6 precinct spill). Wells will need to be reinstalled.

3/10/08: Received phone message from Chuck Martello, URS will replace well on Monday.

3/12/08: Spoke to Chuck Martello (973-942-0700). Well was not installed because scaffolding was present around the building. Well will be installed when scaffolding is removed. Reviewed letter dated 1/22/08 proposing the use of ORC socks in the well when it is reinstalled.

3/18/08: Sent letter approving use of ORC socks in MW12, when it is reinstalled. (Curt Schmidt: cschmidt@h2m.com)

8/6/08 - Carlson: Left phone message for Curt Schmidt (973-942-0700 x2234) - quarterly report is overdue.
Spoke to Curt Schmidt - scaffolding is still in place, well can't be reinstalled until the end of the year. He will send letter.

9/4/08 - Carlson: Received letter from H2M. MW12 can't be reinstalled until scaffolding removal in later 2008.

NYSDEC FALL 1998 MTBE SURVEY INFORMATION FOR 9805274

Maximum MTBE concentration: 278000.0 PPB
BTEX offsite: Yes

Current MTBE concentration: 278000.0 PPB

Source of MTBE

Number of private drinking water wells impacted: 0
Number of public water supply wells impacted: 0
Number of private drinking water wells impacted: 0
Number of replacement wells drilled: 0
Number of water main extensions: 0
Number of water main hookups: 0
Number of residences provided w/ bottled water: 0
Number of people affected: 0

Steel Underground Storage Tank - X
Fiberglass Underground Tank -
Aboveground Storage Tank -
Piping -
Source not identified -
Other source -

Indoor Air Impacts : No
Aquifer Impacts : No

Ongoing remediation: Yes

Monitoring Frequency

Monthly - Quarterly - Semi-annual - Annual - Other -

Remedial Action used

No Action -

Groundwater		Soil	
Pump and Treat	-	Soil Vapor extraction	-
Air sparging	-	Excavation and disposal	- X
Bioreactor	-	Bioremediation	- X
Natural attenuation	- X	Low temp thermal desorption	-
Oxygen injection	-	Oxygen injection	- X
Biosparging	-	Other	-
Dual phase extraction	-		
Other	-		

Under investigation: Yes

Dept. of Health involvement: No

Dept. of Health Remarks: No remarks given for this spill-----
General Remarks: No remarks given for this spill



ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
 All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 17 **MOBIL S/S#17-AML**
 140-52 6TH AVE

Spill Number: 9207631
 NEW YORK, NY

Close Date:
 TT-Id: 520A-0094-222

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1644 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
 Notifier Type: Affected Persons
 Caller Name: ROBIN BUNN
 DEC Investigator: DKHARRIN

Spiller: FRANK MESSINA - EXXONMOBIL CORP
 Notifier Name:
 Caller Agency: MOBIL OIL CO.
 Contact for more spill info:

Spiller Phone: (908) 730-2055
 Notifier Phone:
 Caller Phone: (703) 849-3330
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
10/01/1992		HOUSEKEEPING	2-511811	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL, GROUNDWATER
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

NYCTA NOTICED GASOLINE ODOR IN SUBWAY-NYCFD INVESTIGATED DETECTED ODORSTOPPED DELIV. TO S/S-MOBIL TO TEST SUPER UNLEADED TANK
 1ST,REG & SPL TANKS TESTED AND PASSED IN SEPT.-NYCTA & NYCFD

DEC Investigator Remarks:

2/10/2004: This spill case was reassigned from Sigona to Rommel for management. (Sigona)

7/2/2004: Site transferred to D. Harrington (Central Office) for management. (Rommel)

12/2/2004: Sent letter to Exxon Mobil approving RI work plan. Monitoring well installation to occur on the west side of Sullivan Street. Monthly EFR events to begin in mid-January 2005. (Harrington)

10/18/2005: Sent letter to Exxon Mobil approving the supplemental SI report. Closed spill nos. 04-01621, 04-11106, and 04-12443. (Harrington)

6/2/2006: Sent e-mail to Exxon Mobil requesting clarification on the proposed remedial work plan. Specifically requested more info on the chem-ox and ORC injection program. (Harrington)

6/13/2006: Product no longer observed in on-site monitoring wells. EFR events have been discontinued. (Harrington)

8/15/2006: Sent e-mail to Exxon Mobil approving the remedial work plan. Plan calls for chem-ox and ORC injections in source areas throughout the southern portion of the site. (Harrington)

10/26/07 - Tom Gibbons is PM for site. An approved CAP was provided to the DEE attorney and a draft CO was sent to EM on February 13, 2007. DEC received a draft RAP on March 2, 2007 and comments were issued on March 13, 2007. A revised RAP was received on March 14, 2007 and a final approval letter was issued. Implementation of the RAP began on March 28, 2007. The onsite borings and two rounds of ISCO injections were largely completed by mid April. Demolition of the onsite building is complete. Following demo, additional injection wells (both onsite and offsite) and onsite monitoring wells were installed and ISCO injections completed May18, 2007. The post-injection soil data was presented in a Supplemental Remedial Work Plan and recommended a third injection. This work plan was approved August 7 and the work was conducted the week of August 20, 2007. A second round of post-injection soil sampling was completed on September 24, 2007. Waiting on data to determine if a fourth injection is warranted.

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
9213519	PIER 36 DOS -DDC	PIER #36 NEAR CHARLTON ST	MANHATTAN
0609801	TEN GAL XFMR OIL IN VS #2928	219 WEST HOUSTON STREET	MANHATTAN
9501744	1-5 7TH AVE SOUTH - MISC	1-5 7TH AVE SOUTH	NEW YORK
0007768	W & J GARAGE	360 WEST BROADWAY	NEW YORK
0511586	BROAD SPRING OWNERS INC	157 SPRING ST - 4TH FLR	NEW YORK



CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 18 **560 WASHINGTON ST**
560 WASHINGTON ST

MANHATTAN, NY

Spill Number: 9702743

Close Date: 06/04/1997
TT-Id: 520A-0099-361

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 498 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Fire Department

Caller Name: FF LAROCCHIA

DEC Investigator: MCTIBBE

Spiller: AIRBORNE EXPRESS

Notifier Name: FF LAROCCHIA

Caller Agency: NY CITY FD

Contact for more spill info:

Spiller Phone:

Notifier Phone: (917) 769-0483

Caller Phone: (917) 769-0483

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/03/1997		TANK FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	40.00	GALLONS	30.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTS FUEL TANK ON VEHICLE HAD PUNCTURE HOLE IN IT - FD ON SCENE CONTAINED SPILL - APPROX 10 GALS WENT INTO SEWER

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
HANDLED BY FDNY & NYCDEP

Map Identification Number 19 **507-509 GREENWICH ST**
507-509 GREENWICH ST

MANHATTAN, NY

Spill Number: 9806774**Close Date: 09/09/1998**
TT-Id: 520A-0099-346

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 803 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name: TOM PONZIO

DEC Investigator: MMMULQUE

Spiller: GREENWICH CARRIAGE HOUSE

Notifier Name: TOM PONZIO

Caller Agency: PONZIO CONSTRUCTION CORP

Contact for more spill info: TOM PONZIO

Spiller Phone:

Notifier Phone: (212) 673-0990

Caller Phone: (212) 673-0990

Contact Person Phone: (212) 673-0990

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
08/28/1998		TANK FAILURE	NO		NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL	

Caller Remarks:

CALLER REMOVED ABOUT 200 YARDS OF SOIL AND WOULD LIKE SOMEONE TO CALL HIM SO THAT HE CAN FILL IN THE HOLE AND HE DOES HAVE A SOIL SAMPLE AND RESULTS CALLERS PAGER NUMBER 917-240-8286.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"

CONTAMINATED SOILS REMOVED DOWN TO WATER TABLE. WATER CLEAN, NO SHEEN OBSERVED, REMAINING SOILS CLEAN ALSO. NO FURTHER ACTION REQUIRED.

SEE ALSO 90-06678, 01-01564, 01-01432.

Map Identification Number 20

130 LEROY STREET

MANHATTAN, NY

Spill Number: 9810520**Close Date: 12/23/1999**

TT-Id: 520A-0099-345

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 866 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name: JED MYERS

DEC Investigator: MMMULQUE

Spiller: JORDAN DECANDIA - LEROY CLARKSON LLC

Notifier Name: JED MYERS

Caller Agency: PHOENIX ENVIRO.

Contact for more spill info: JORDAN DECANDI

Spiller Phone: (215) 938-5000

Notifier Phone: (516) 864-4200

Caller Phone: (516) 864-4200

Contact Person Phone: (215) 938-5000

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
11/19/1998		TANK FAILURE	NO		NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL	

Caller Remarks:

CALLER RESPONDED TO ABOVE LOCATION FOR TANK REMOVAL ASSESMENT.

ASSESMENT REVEALS SOIL CONTAMINATION ON SITE. APPROX. 6-8 YARDS

OF SOIL REMOVED AND CONTAINED ON SITE. FURTHER TESTING TO BE

DONE. CALLER HAS MET WITH MIKE MULGREEN FROM DEC ON THIS DATE.

NO CALL BACK REQUESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"
cCLOSED 12/23/99 BY TOMASELLO. SEE DEC FILE.

Map Identification Number 21 **MANHATTAN WEST 01 DOS -DDC**
297 WEST STREET

NEW YORK, NY 10013

Spill Number: 9712858**Close Date: 03/02/2005**
TT-Id: 520A-0099-370

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 929 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO REVISION MADE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: ANDRE LAPRES
DEC Investigator: ADZHITOM

Spiller: TONY MARINO - MANHATTAN WEST ONE
Notifier Name: ANDRE LAPRES
Caller Agency: URS GREINER
Contact for more spill info: TONY MARINO

Spiller Phone: (718) 391-1062
Notifier Phone: (716) 856-5636
Caller Phone: (716) 856-5636
Contact Person Phone: (718) 391-1062

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/18/1998		TANK FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

call just recieved result for soil samples

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"
REPORT IS BEING PRODUCED BY URS. 2/18/98.

The spill is closed in consultation with Alex to consolidate with spill # 9804683. The spill site is currently under remediation by LiRo Engineers. - II (03/02/05).

Map Identification Number 22 **YELLOW FREIGHT**
149 LEROY ST

MANHATTAN, NY

Spill Number: 9909631**Close Date: 07/05/2000**
TT-Id: 520A-0092-661

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1109 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Responsible Party
 Caller Name: STEVE TRAVIS
 DEC Investigator: SMSANGES

Spiller: STEVE TRAVIS - YELLOW FREIGHT
 Notifier Name: FRAN SCHULTZ
 Caller Agency: YELLOW FREIGHT
 Contact for more spill info: STEVE TRAVIS

Spiller Phone: (913) 344-3409
 Notifier Phone: (973) 256-7800
 Caller Phone: (913) 344-3409
 Contact Person Phone: (913) 344-3409

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/08/1999		TANK FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

THEY WERE UNCOVERING OLD UNDERGROUND TANK (4 TANKS ALL 4000 GALLONS) - WHEN THEY REMOVED THEY ENCOUNTERED SOIL THAT SMELLED OF SOIL - THEY USED A METER THAT MEASURED JUST ABOVE THE REPORTABLE LIMIT - THE SOIL WILL BE REMOVED THIS WEEK

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
 2/23/2000 DEC received a "Closure Report" from GZA - Stephen Kline 212-594-8140 (fax212-279-8180)

Report outlined removal of 3 - 4,000 gal tanks, soil samples taken, contamination left on site. Discussion of other tanks on site (some in use, some abandoned).

DEC letter to GZA 2/23/2000 requires:

- 1) 3 wells in area of tanks and pumping island - Water samples tested to 8021 & 8270
 - 2) summary of tanks on site, including if they were closed out with water or sand.
 - 3) report with findings and either recommendations for site remediation or justification for "No Action" status due April 14, 2000.000
- 4/4/2000 Stephen Travis P.E. (Yellow Freight) & Frances Schultz (GSA - 973-256-7800) met with Sangesland to discuss this site.
- 4 wells were installed as requested. Some slight trace levels of VOC's found, one MTBE reading of 12 ug/l found in one well.
- Whole area was built on landfill (probably coal ash) back in 1800's thru 1900. Background levels of other contaminants may be

caused by this fill and not from recent contamination.

Yellow Freight is going to submit soil boring results from other spots on the site. If these results show similar contamination, DEC may close it out.

5/2/2000 SANGESLAND SPOKE WITH KATIE BORDENARO (212-675-3004) FROM A LOCAL CITIZENS ORGANIZATION. SHE ASKED ABOUT WHAT WAS HAPPENING ON THE SITE. SHE HAS RECORDS ABOUT MANY TANKS ON THE SITE. SHE IS MAILING A COPY OF HER REPORT TO THE DEC.

5/12/2000 Advanced Cleanup Technologies, Inc (631-293-4992) was hired by a potential purchaser to conduct a Phase I / II review of the site. Several soil borings and wells were installed in Feb, 2000. The resulting report was issued by ACT on April 7, 2000. NYSDEC received a copy of this report directly from ACT on May 5, 2000. Based on the results of this report, a new spill number was called on the site to cover the entire block.

Cross Ref to Spill #0001838

5/12/2000 Sangesland spoke to Steve Travis at Yellow Freight to discuss the results of the ACT Site Assessment. Mr. Travis requested that the two spill numbers be kept separate. Right now, 9909631 relates to an area midblock along Washington St. in the area of the former 3 - 4,000 gal diesel tanks.

Spill #0001838 basically covers the remainder of the city block.

Issues include petroleum contamination and various metals.

Map Identification Number 23 **ALISON ON DOMINICK ST**
38 DOMINICK ST

MANHATTAN, NY

Spill Number: 9612894

Close Date: 01/06/2000
TT-Id: 520A-0100-208

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1156 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Affected Persons
Caller Name: BRUCE LEVINSON
DEC Investigator: TOMASELLO

Spiller: FRANK DOBBS - FRANK DOBBS BLDG OWNER
Notifier Name: MR CHAMBERLAIN
Caller Agency: RESTAURANT OWNER
Contact for more spill info: BRUCE LEVINSON

Spiller Phone: (212) 727-0816
Notifier Phone: (212) 727-1188
Caller Phone: (212) 727-1188
Contact Person Phone: (212) 727-1188

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/30/1997		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

DOUBLE TANK RUPTURED AND OIL SMELL IS GOING THROUGH RESTAURANT

AND HELP IS BECOMING PHYSICALLY ILL DUE TO SMELL

VERY SIZABLE LEAK OIL IS POOLING IN THE SUBBASEMENT BACKING UP THROUGH THE WASTELINE

OFFICE # (212)7509898

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.
The following DEC Investigator Remarks were available prior to 1/1/2002:

FAXED TO ECS. TANK IN THE BASEMENT FAILED. OIL WENT INTO OLD COAL CELLAR. cLEANED BY OWNER. nEW TANKS installed. closed 1/7/2000 by Tomasello

Map Identification Number 24 **MOBIL S/S#17-JYX**
290 WEST STREET

NEW YORK, NY

Spill Number: 9503897

Close Date: 06/26/2006
TT-Id: 520A-0092-191

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)

Approximate distance from property: 1250 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION

Notifier Type: Responsible Party

Caller Name: FRANK DEMEYER

DEC Investigator: DKHARRIN

Spiller: FRANK MESSINA - EXXONMOBIL OIL CORP

Notifier Name:

Caller Agency: TYREE

Contact for more spill info:

Spiller Phone: (908) 730-2055

Notifier Phone:

Caller Phone: (516) 249-3150

Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
06/28/1995		TANK FAILURE	2-157996	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL, GROUNDWATER
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

CALLER FOUND SEVERAL IN GROUND TANKS WITH HOLES IN THEM - REFER TO SPILL #9503810 - DEC SIGONA RESPONDED - SPILL FROM YESTERDAY

DEC Investigator Remarks:

Case has been consolidated under spill no. 95-03897. See also spill nos. 92-08728, 93-11565, 95-03810, 00-05629, and 04-04085.

2/10/2004: Case was re-assigned from Sigona to Rommel for management. (Sigona)

7/9/2004: Case was re-assigned from Rommel to Harrington (central office) for management. (Rommel)

10/12/2004: Consent order and Corrective Action Plan are executed for this site by the Regional Director. (Harrington)

1/26/2005: Sent letters to Exxon Mobil approving the Sensitive Receptor Survey and Remedial Action Plan. RAP calls for monthly EFR events to remove free product from beneath the site, and quarterly groundwater sampling. (Harrington)

9/1/2005: Approved the discontinuation of EFR events at monitoring well MW-A. (Harrington)

1/30/2006: Approved reduction in groundwater sampling frequency (quarterly to semi-annually), a reduction in reporting frequency (quarterly to semi-annually), initiating monthly gauging of well MW-A for the presence of LPH (and LPH recovery via absorbent socks if it is observed), and requested an annual report in one year. (Harrington)

6/21/2006: PM conducted a site visit with Exxon Mobil and GSC/Kleinfelder personnel. (Harrington)

6/26/2006: PM sent letter to Exxon Mobil indicating the spill and consent order (2-157554) had been closed out, as no further investigation or response are required. (Harrington)

Map Identification Number 25 **EXXONMOBIL S/S**
290 WEST STREET

NEW YORK, NY

Spill Number: 9503810

Close Date: 10/15/2003
TT-Id: 520A-0092-189

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1250 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
 Notifier Type: Local Agency
 Caller Name: JANICE RIVERA
 DEC Investigator: SIGONA

Spiller: JOANNE WALLACH - EXXONMOBIL CORPORATION
 Notifier Name:
 Caller Agency: DEP
 Contact for more spill info:

Spiller Phone: (908) 474-2745
 Notifier Phone:
 Caller Phone: (718) 595-6777
 Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved		Meets Cleanup Standards		Penalty Recommended
06/29/1985		TANK FAILURE	2-157996		NO		NO
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

Tanks being removed at this site.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

DEC Sigona investigated and found no emergency in June 1995. Spoke to Mobil , who was working with DEC Kerri-Ann O'Dowd on long term investigation.

Map Identification Number 26 HUDSON RIVER PARK
 WEST ST/ WATT ST

MANHATTAN, NY

Spill Number: 0701262

Close Date: 08/01/2007
 TT-Id: 520A-0099-393

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1533 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: WEST ST / WATTS ST
 Revised zip code: 10013

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Other
 Caller Name:
 DEC Investigator: rmpiper

Spiller: MARC BODDEWYN - HUDSON RIVER PARK
 Notifier Name:
 Caller Agency:
 Contact for more spill info: AXEL SCHWENDT

Spiller Phone: (917) 661-8740
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (646) 388-3529

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
04/30/2007		TANK FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

HAS BEEN CONTAINED AND TANK WILL BE REMOVED ON WED.;

DEC Investigator Remarks:

Sangesland spoke with Marcus Simmons with AKRF.
Tank was uncovered and pulled. Contaminated soil was found.
CSL letter was sent to:
Marc Boddewyn
Hudson River Park Trust
Pier 40 @ West Houston St - 2nd Fl
New York, NY 10014

7/26/07 Left message w. Axel requesting callback.

8/1/07- DEC Piper recieved report from AKRF. During installation of sewer, a 8k ust was discovered. The tank was removed along with 82 tons of soil. Endpoints revealed SVOC over TAGM. GW samples were collected which indicated slightly elevated levels of VOC's. The GW discharges to the hudson and is 15yds waway. Based on information and remediation to date, this spill is closed. See report on e-docs if warranted.

Map Identification Number 27 **HRH CONSTRUCTION CORP**
101 AVENUE OF AMERICAS

NEW YORK, NY

Spill Number: 8910872

Close Date: 10/21/2003
TT-Id: 520A-0094-218

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1834 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: 101 AVENUE OF THE AMERICAS
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Responsible Party
 Caller Name: DAVID PULVERMILLER
 DEC Investigator: SIGONA

Spiller: JOHN FEDELI - HRH CONSTRUCTION CORP
 Notifier Name:
 Caller Agency: HAZRDS WASTE ENGNRG CONSL
 Contact for more spill info:

Spiller Phone: (212) 219-8851
 Notifier Phone:
 Caller Phone: (212) 219-8851
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/14/1990		TANK FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

DURING TEST PIT DIGGING, UNK TANK DISCOVERED - DURING TANK REMOVAL BACKHOE OPERATOR LIFTED TANKK, SPILLING GASOLINE - PULVER-MILLER REQUESTS CALL BACK

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 28 **22 GROVE ST**
 22 GROVE ST

MANHATTAN, NY

Spill Number: 9512271

Close Date: 01/26/2004
 TT-Id: 520A-0092-260

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1884 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
 Notifier Type: Other
 Caller Name: JOHN GOODWIN
 DEC Investigator: RWAUSTIN

Spiller: RESIDENTIAL AREA
 Notifier Name: DRIVERS
 Caller Agency: MYSTIC TRANSPORTATION
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (718) 932-9075
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/30/1995		TANK FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

customer ordered the tank to be filled after they has already ordered from another company - clean up crew in route now

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
1/26/04 - AUSTIN - SURF. SPILL - CLOSED - ORIG. ASSIGNED TO ENGELHARDT - END

Map Identification Number 29	CHASE BANK 74 VARICK STREET	MANHATTAN, NY	Spill Number: 0508831	Close Date: 11/23/2005 TT-Id: 520A-0099-348
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MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1969 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: PAUL DYLAND
DEC Investigator: SMSANGES

Spiller: TERRANCE FARRELL - CHASE BANK
Notifier Name: PAUL DYLAND
Caller Agency: NY PLUMBING
Contact for more spill info: TERRANCE FARRELL

Spiller Phone: (718) 441-6800 ext. 1
Notifier Phone: (718) 441-6800 ext. 1
Caller Phone: (718) 441-6800 ext. 1
Contact Person Phone: (718) 441-6800 ext. 1

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/24/2005		TANK FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

ABOVE GROUND IN BASEMENT IN A VAULT, HAVE CLEANED UP ABOUT 5 GALLONS :

DEC Investigator Remarks:

Sangesland spoke to Terrance Farrell rep from NY Plumbing who was at the Chase bank site.
Small hole in the tank. 5 gallons spilled to cement vault floor. All cleaned, no impact to outside, no drains. Tank has been taken out of service. Repairs are going on today, tank will be pressure tested tomorrow.

spill closed

Map Identification Number 30 **63 VESTRY STREET**
67 VESTRY STREET

MANHATTAN, NY

Spill Number: 0410085

Close Date: 03/16/2005
TT-Id: 520A-0091-565

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2003 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Local Agency
Caller Name: MARK SALAMICK
DEC Investigator: MXTIPPLE

Spiller: NICKY RICKETTS
Notifier Name: MARK SALAMICK
Caller Agency: PETROLEUM TANK CLEANERS
Contact for more spill info: NICKY RICKETTS

Spiller Phone: (914) 777-1930
Notifier Phone: (917) 559-5519
Caller Phone: (917) 559-5519
Contact Person Phone: (914) 777-1930

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/10/2004		TANK FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CREWS ARE ON THE WAY TO CLEAN UP.

DEC Investigator Remarks:

5000 gal #6 fo tank ruptured, the tank room had a large hole broken through it leading into the many rooms of the basement. PTC brought a vac truck and numerous other trucks and people to begin the cleanup. Cleanup continued Saturday and Monday. What was observable on friday eve of the concrete floor appeared to be sound. Tipple also inspected the adjoining neighbors basements which are currently under construction and they had no oil impact at that time.

12/23/04 tipple updating/// most of the oil removed/ powerwashed// the tank room has not been cleaned, numeros proposals from different companies, awaiting company to be awarded contract. Once the tank is removed and the room cleaned, Tipple will

conduct followup inspection.

2/10/04 not yet cleaned, temporary tanks still in place

3/3/05 Tipple and Rahman conducted a site visit.... The majority of the spill has been successfully cleaned, there are a few edges and at the former tank grave that must be re-cleaned.

3/16/05 site visit, followup electronic photos, manifests to follow, cleanup completed, no further action, letter sent.....MT

Map Identification Number 31 **259 WEST STREET**
259 WEST STREET

NEW YORK CITY, NY

Spill Number: 0206148

Close Date: 01/27/2005
TT-Id: 520A-0091-350

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2061 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name: JAMES ROMEO

DEC Investigator: CESA WYER

Spiller: SAME - UNKNOWN FOR NOW

Notifier Name: SAME

Caller Agency: EAI CONSULTANTS

Contact for more spill info: JAMES ROMEO

Spiller Phone:

Notifier Phone:

Caller Phone: (201) 714-9858

Contact Person Phone: (201) 714-9858

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
09/12/2002		TANK FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
GASOLINE	UNKNOWN	0	GALLONS	0	GALLONS	

Caller Remarks:

THEY WERE DIGGING DOING GEO PROBE SAMPLING AT THE SITE.THE PROPERTY

WAS UP FOR SALE AND HAS BEEN BROUGHT BY A COMPANY CALLED W SQUARED

LLC 700 PACIFIC STREET BROOKLYN NY 11217.

THEY DID 17 SOIL BORINGS AND CONTAMINATION WAS NOTICED ON 2 BORING SAMPLES.THE SAMPLES WERE ANALYZED AT LABRATORY CALLED

SCIENTIFIC LABRATORIES 8 SCHOOL STREET WEYMOUTH MASSACHSETTS 02189

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"

1/9/2003-Vought-Spoke with Jim Romeo (201-714-9858) will be starting excavtion of contaminated soil. Soil will be analyzed for VOC and SVOC. Sampling will be four sidewalls and one bottom groundwater sample. Report will be sent to NYSDEC by 2/15/2003.

7/21/2003-Vought-File review by Vought:

Owner of property is Asi Cymbal (212-398-2000x11). New building will consist of residential apartments with underground garage. Property address is also 416-424 Washington Street.

Letter DEP-10/31/2002-Letter from John Wuthenow (DEP Site Assessment Unit-718-595-4416). 259 West street will be demolished prior to building new structure. According to letter several suspect UST's may still exist at the site. Lens of #2 fuel oil free product found in SB-10.

Letter DEP-11/12/02-Letter from Daniel Cole approving of health and safety plan and remedial action workplan.

Corrective Action Report-Environmental Management Services (Jim Romeo-201-714-9858). Report received 2/14/03. Report requests No Further Action. Owner of property is W Squared, LLC 700 Pacific Street Brooklyn, NY 11217. Site underlain by fill material. Groundwater flow to the west or southwest. Groundwater at a depth of 7' below grade. GPR survey performed to determine if abaondoned UST's were present. GPR survey not performed at 416-424 Washington due to presence of debris in the basement. GPR survey also encountered "excessive background noise" Seventeen Geoprobe borings performed on 9/10/2002. Only a sheen found at SB-10. Soil excavation completed on 1/21/03. 21 cubic yards (36.86 tons) of soil were removed from the site and four endpoint soil sidewall samples and one bottom groundwater sample were collected (analyticals provided). Future excavation of new building is planned for 12 below grade. Groundwater infiltration from the north displayed an oil sheen. Soil samples showed PAH exceedances (due to historical fill). Groundwater analyticals up to 470ppb napthalene. PBS and Spill database search indicated no registered tanks at West st or Washington Ave sites. Vought will perform site visit on 7/23 to: 1)confirm northern source of contamination via sidewall inspection and adjacent property investigation 2)inspection of soil for fill characteristics 3)examination of foundation depth and possibility of undiscovered on-site USTs at 259 West and 416-424 Washington Avenue 4)inspection for abandoned fill ports or vent pipes suggesting historical presence of USTs.

7/24/2003-Vought-Site visit by Vought on 7/23. Excavation was not open and nothern source could not be confirmed. Soil exhibited fill characteristics in exposed portions of site (brick, coal, ash). 416-424 Washington Street property excavated to a depth of 5' and parking lot/259 West Street were excavated to a depth of 14' and no UST's or piping were discovered. No abandoned fill port or vents were found due to new sidewalks. Vought inspected adjacent property to the north (67 Vestry) and found no evidence of spills. Secondary containment vault of 3000-gallon #6 fuel oil showed no evidence of spills. Vought required owner of 67 Vestry to tightness test tank (letter sent 7/24). TPH Fingerprinting of groundwater sample by EAI indicated #2 fuel oil despite #6 oil storage to the north. Possible source may be former on-site AST and no definitive soil samples taken from the vadose zone other than PID screening of excavator buckets (soil source may have been missed during excavation). Vought called Jim Romeo (201-951-5198) and informed him of tank tightness test letter. Romeo will send Vought copy of DEP ESA which describes soil borings from 259 West Street. During the discussion with Remeo he indicated that a 275-gallon AST was removed from the first floor of 259 West street (slab on grade construction).

1/6/04-Vought-Spill transferred from Vought to Austin.

1/27/04 - Sawyer - Spill transferred from Austin to Sawyer.

7/22/04 - Sawyer - Talked to Anna of EAI, Inc., who took over for departed Jim Romeo about reviewing corrective action report dated 2/13/03.

9/14/04 - Sawyer - Talked to Anna and she expressed the fact that the building owners were reluctant to do more work without a letter from the Department directing them to do so. I am drafting the letter now.

1/27/04 - Sawyer - Received detailed explanation of the schedule of events that have happened with this spill from James Grond at GCI Environmental Advisory, Inc. He explained that a subsequent water sample taken 5/8/03 indicated that there were no exceedances of groundwater criteria. There is no further action required. Closed.

Map Identification Number 32 **390 WEST BROADWAY**
390 WEST BROADWAY

MANHATTAN, NY

Spill Number: 0303372

Close Date: 12/16/2003
TT-Id: 520A-0095-672

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2116 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: RUSS ESHMAN
DEC Investigator: JXZHAO

Spiller: UNKNOWN
Notifier Name: SAME
Caller Agency: IMPACT ENVIROMENTAL
Contact for more spill info: RUSS ESHMAN

Spiller Phone:
Notifier Phone:
Caller Phone: (631) 269-8800
Contact Person Phone: (631) 269-8800

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/30/2003		TANK FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

LAB RESULTS SHOWED ELEVATED LEVELS OF SEMI - VOLATLE CONTAMINATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHAO"
Sangesland spoke with Russ Eshman of Impact Environmental.

He said they did some soil testing around buried tanks and came back with some minor hits.

If the levels are just over the limits, it may be OK to close out

A soil testing report is being prepared and will be sent to Jie Zhao.

12/9/03 - Report received by e-mail. One 550 gal tank involved. Boring up to six feet below the basement floor. Minor impact on one of the three boring samples.

12/16/03 - Kevin Kleaka explained that 6 feet below the basement surface material could not be penetrate through. Spill closed.

Map Identification Number 33 **W & J GARAGE**
360 WEST BROADWAY

NEW YORK, NY

Spill Number: 9411507

Close Date: 06/20/2000
TT-Id: 520A-0095-661

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2172 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: SAM TOLANI
DEC Investigator: TOMASELLO

Spiller: W & J GARAGE
Notifier Name:
Caller Agency: PETROLEUM CONST.
Contact for more spill info:

Spiller Phone: (212) 226-8742
Notifier Phone:
Caller Phone: (718) 385-8800
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/10/1994		TANK FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

EXCAVATION & MOVING TANK FOUND CONTAIN SOIL, SOIL REMOVED BY J. M. ASSOCIATES, INC. SITE CLEANED UP. CALLED CHRIS T. AT TIME OF

SPILL -NO RESPONSE.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

CONTACTED BY LAWYER FOR PROPERTY ON 4/6/2000. THEY WANT TO SELL PROPERTY. 2000 GAL TANK PULLED AND SOIL REMOVED A WHILE AGO. SPILL HAPPENED IN AUG, CALLED IN IN NOV. AFFADAVID OF REMOVAL, BUT NO END POINTS TAKEN. I TOLD HIM MUST DO WELL IN OLD TANK AREA AND SOIL PROFILE DOWN TO GW AND GW SAMPLE. GAVE HIM SOME CONTRACTOR NAMES. WILL BE DONE ASAP.

called by lipson, 5/17/2000

WORK WAS DONE BY F&N lipson will send me a report on the site.

WORK PERFORMED WAS ADEQUATE. CLOSED 6/20/2000. SEE ARCHIVE FILE.

7/7/2000, S. MILLER CLOSED OUT APPARENT DUPLICATE SPILL REPORT NO. 9405382, ASSIGNED TO FORMER SPILL RESPONDER C. P. TOMASELLO. CROSS REFERENCING OF BOTH SPILL REPORTS WAS ENTERED INTO DATABASE.

Also see spill no. 0007768. DEC Sigona reassigned this spill investigation on 11/14/00

Map Identification Number 34 **105 WOOSTER STREET**
105 WOOSTER STREET

MANHATTAN, NY

Spill Number: 9212937

Close Date: 02/10/2003
TT-Id: 520A-0093-750

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2368 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name: STEPHEN TAGER

DEC Investigator: O'DOWD

Spiller: SINVIN REALTY CO.

Notifier Name:

Caller Agency: PETRO TANK CLEANERS

Contact for more spill info:

Spiller Phone: (212) 226-3000

Notifier Phone:

Caller Phone: (718) 624-4842

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
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02/17/1993		TANK FAILURE	NO	NO
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Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

DURING TANK PULL CONTAMINATED SOIL DISCOVERED BENEATH TANK-LOCATED IN TANK ROOM-3" SOIL WAS PUT DOWN FOR TANK TO REST ON -WILL EXCAV P/U & DRUM-NO NAME CONTR TO HAUL AND DISPOSE

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

10/10/95: This is additional information about material spilled from the translation of the old spill file: CONATMINATED SOIL.

Map Identification Number 35 **FORMER TAXI GARAGE**
534 HUDSON STREET

MANHATTAN, NY

Spill Number: 9807492

Close Date: 11/24/1998
TT-Id: 520A-0099-347

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2434 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: 534 HUDSON ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: MICHAEL TUMULTY
DEC Investigator: SIGONA

Spiller: ROBERT STILLMAN - PRIOR OWNER SLIGO REALTY
Notifier Name: CONTRACTORS ON SITE
Caller Agency: H2M ASSOC.INC.
Contact for more spill info: MICHAEL TUMULTY

Spiller Phone: (212) 686-2400
Notifier Phone:
Caller Phone: (973) 942-0700
Contact Person Phone: (973) 942-0700

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
09/18/1998		TANK FAILURE	2-010693	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	10.00	GALLONS	10.00	GALLONS	SOIL

Caller Remarks:

construction revealed a 550 gallon waste oil tank - cross ref 9805274 anthony Sigona w/ dec

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

DEC (SIGONA) RECEIVED A CLEANUP REPORT from H2M Group dated October 26, 1998. DEC reviewed the results of endpoint soil testing and found that the levels met STARS Memo No. 1 guidance values. This closes the spill associated with the waste oil USTs (see letter to Sligo Realty Co, dated Nov 24, 1998).

However, the spill investigation no. 9805274 associated with the removal of the former gasoline USTs is being cleaned up by a separate cleanup plan from H2M Group, dated September 25th & Oct. 2nd, 1998 were approved in a letter to Sligo Realty, dated Nov. 24, 1998. The cleanup report on the gasoline USTs is due on Jan. 31, 1999.



CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 36 **522 GREENWICH AV/MANH/UPS** **NEW YORK CITY, NY** **Spill Number: 9100225** **Close Date: 02/09/1998**
 522 GREENWICH AVENUE TT-Id: 520A-0094-851

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 230 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: 522 GREENWICH ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: JOSEPH VESCE

DEC Investigator: SULLIVAN

Spiller: UPS

Notifier Name:

Caller Agency: FRANKLIN CO

Contact for more spill info:

Spiller Phone: (212) 560-6398

Notifier Phone:

Caller Phone: (718) 762-5200

Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/04/1991		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

(4) 1500 GAL TANKS FAILED TANK AUDITOR WITH A LEAK RATE OF .29849GPH.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 37 **507-509 GREENWICH STREET**
507-509 GREENWICH STREET

NEW YORK CITY, NY

Spill Number: 9006678

Close Date: 12/03/1999

TT-Id: 520A-0094-855

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 803 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: OTTO DEPENEPICPIS

DEC Investigator: SULLIVAN

Spiller: QUEVA J. LUTZ - GREENWICH CARRIAGE HOUSE

Notifier Name:

Caller Agency: UP CONSTRUCTION

Contact for more spill info:

Spiller Phone: (212) 243-0127

Notifier Phone:

Caller Phone: (718) 497-3191

Contact Person Phone: (212) 966-4335

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/18/1990		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

4K TANK FAILED HYDROSTATIC TEST, WILL EXCAVATE, ISOLATE & RETEST.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SULLIVAN/MULQUEEN"
REFER TO SPILL # 98-06774, MULQUEEN SPILL.

Map Identification Number 38 **297 WEST STREET**
297 WEST STREET

NEW YORK, NY 10013

Spill Number: 9404493**Close Date: 05/30/2007**

TT-Id: 520A-0099-369

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 929 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO REVISION MADE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Tank Tester

Caller Name: SCOTT SHUCK

DEC Investigator: JAKOLLEE

Spiller: NYC DEPT OF SANITATION

Notifier Name:

Caller Agency: FENLEY NICOL

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (516) 586-4900

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/30/1994		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"

7/21/2005- Reviewed Quaterly Monitoring Report received in June 2005. ORC socks were installed in wells MW-2, 10 and 13R. In February 2005 LiRo conducted additional soil excavations that were requested by DEC. LiRo recommended continued operation and monitoring. The Department concurred. AZ

05/30/07: This spill case transferred to J. Kolleeny. LiRo Engineers undertook remediation of this site under DDC Consent Order. Remedial actions included excavation of contaminated soil from several areas, installation/operation of SVE system, bio-nutrient application, and ORC application. Results of LiRo's February 2006 Sensitive Receptor Survey (in eDocs for related spill 9804683) for site indicate low-level residual GW contamination in two monitoring wells is unlikely to pose a threat to environment or public health. LiRo's remedial actions and well network addressed entire site, all tanks. OK to close spill. - J. Kolleeny

Map Identification Number 39 **DEPT OF SANITATION**
297 WEST STREET

NEW YORK, NY 10013

Spill Number: 0011671**Close Date: 02/06/2006**
TT-Id: 520A-0099-367

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 929 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 297 WEST ST

Revised zip code: NO REVISION MADE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: GEORGE MCDERMOTT

DEC Investigator: MDMACCAB

Spiller:

Notifier Name: GEORGE MCDERMOTT

Caller Agency: YELLOWSTONE INDUSTRIES

Contact for more spill info: GEORGE MCDERMOTT

Spiller Phone:

Notifier Phone: (516) 485-0000

Caller Phone: (516) 485-0000

Contact Person Phone: (516) 485-0000

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/29/2001		TANK TEST FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

UST was closed in place May 19, 2003.

See PBS # 2-455830.

Map Identification Number 40 **111 LEROY ST**
111 LEROY ST

MANHATTAN, NY

Spill Number: 0300861**Close Date: 05/02/2006**
TT-Id: 520A-0099-350

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1010 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: CHRISTINE CIABURRI
DEC Investigator: KSTANG

Spiller: ED KAMINSKY - HANDSMAN & KAMINSKY, LLP
Notifier Name: KEVIN
Caller Agency: USA TANK
Contact for more spill info: ED KAMINSKI

Spiller Phone: (212) 750-0615
Notifier Phone:
Caller Phone: (718) 981-5710
Contact Person Phone: (212) 750-0615

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
04/24/2003		TANK TEST FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

wet & dry leak

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE/DDO"
4/24/03 TJD

TTF letter sent.

7/22/05 mt//one page arrived, references 3 drums of contaminants removed, did not describe what was left behind or where the contaminants went//not nearly adequate info to petition for closure.// the name on bottom of letter is "office manager"

4/20/06 Spoke to Michael Griffin (cell 516-924-2628), one of the property owners. He hired USA Environmental to collect soil samples from the former excavated area. They collected the samples but have not provided any data or a report. Mr. Griffin indicated that he will be hiring another company in order to move ahead. (KMF)

5/2/06 - reviewed soil borings results from Petroleum Tank Cleaners, Ltd. Sample results show no release. Spill closed and NFA letter issued. - KST

Map Identification Number 41 **LITTLE RED SCHOOL HOUSE**
40 CHARLTON STREET

MANHATTAN, NY

Spill Number: 0209395

Close Date: 07/24/2003
TT-Id: 520A-0099-328

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1073 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Tank Tester

Caller Name: BILL FAZIN

DEC Investigator: JBVUGHT

Spiller: MICHELLE - LITTLE RED SCHOOL HOUSE

Notifier Name: BILL FAZIN

Caller Agency: CROWN LEAK DETECTION

Contact for more spill info:

Spiller Phone: (212) 477-5316 ext. 3

Notifier Phone: (516) 939-2959

Caller Phone: (516) 939-2959

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/12/2002		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	1500	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

TANK IS AN ABOVE GROUND TANK. TO BE EVALUATED AND RETESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"

5/1/2003-Vought-Spoke with William Conroy (631-423-1240) who is consultant for property. NFA request has been prepared for 0209395 and 0209396 and reports will be sent to NYSDEC. Conroy requesting NFA letter sent to him.

7/24/2003-Vought-Received report from Conroy Environmental Consultants. Tank is a 1500-gallon AST in basement encased in concrete vault. Tightness test indicated leak was in a dry portion of the tank. Petroleum Tank Cleaners was hired and pumped fuel from tank, cleaned tank interior, removed and resealed manhole cover, repaired broken vent line and petrometer connection. Tank passed tightness test once repairs were completed (tightness test results sent to NYSDEC). Spill closed by Vought.

Map Identification Number 42 **627 GREENWICH STREET PROPERTY**
627 GREENWICH ST

MANHATTAN, NY

Spill Number: 0109823

Close Date: 09/06/2005
TT-Id: 520A-0099-351

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1121 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: DAVE FAZIN

DEC Investigator: JIMPELTON

Spiller: ROY RUCCI

Notifier Name: DAVE FAZIN

Caller Agency: CROWN LEAK DETECTION

Contact for more spill info: ROY RUCCI

Spiller Phone: (718) 442-2080

Notifier Phone: (516) 939-2959

Caller Phone: (516) 939-2959

Contact Person Phone: (718) 442-2080

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/08/2002		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001	10000	Horner EZ Check I or II	0.00	UNKNOWN
002	3500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

no pbs number but violation number is d2-5294-12-01 take 2 is in a tomb and tank 1 is underground both failed test
property owner is aware tanks will be uncovered and cleaned then retested

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"

August 16, 2005

As part of the Spills Backlog Reduction, Jason Pelton initially called Roy Rucci with Rucci Oil. Rucci Oil delivers #2 fuel oil to 627 Greenwich property and was listed on the Spill Report Form as a contact person. Rucci referred the property owner to Crown Leak Detection to complete the tank testing. Roy Rucci indicated that the tanks were repaired by Petroleum Tank Services. Rucci Oil continues to deliver oil to this property. Roy provided me with contact information for Ed Armstrong (212-741-2111).

Ed Armstrong is the 627 Greenwich Street property Superintendent.

I followed up with a phone call to Ed Armstrong. Ed Armstrong indicated that a vent line was broken and there was never any petroleum spill. Ed has documentation on the tank tightness testing and the tank repairs and faxed them to me on August 16, 2005. The testing and repair documents were scanned and placed in eDocs on 9/6/05.

Based on the fact that no petroleum spill occurred and that repairs were made to the underground storage tank system, the status of the spill was changed to closed by Jason Pelton on September 6, 2005.

Map Identification Number 43 **EXXONMOBIL S/S**
290 WEST STREET

NEW YORK, NY

Spill Number: 9311565

Close Date: 03/29/1995
TT-Id: 520A-0092-022

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1250 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: DEC
Caller Name: OFFICER STANIEWSKI
DEC Investigator: SIGONA

Spiller: JOANNE WALLACH - EXXONMOBIL CORP
Notifier Name:
Caller Agency: NYS DEC REG 2
Contact for more spill info:

Spiller Phone: (908) 474-2745
Notifier Phone:
Caller Phone: (718) 482-4885
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved		Meets Cleanup Standards		Penalty Recommended
12/28/1993	03/29/1995	TANK TEST FAILURE	2-157996		NO		NO
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
WASTE OIL/USED OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL	

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

OIL FLOATING ON WATER IN PIT AROUND HYD. LIFT.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 44 **MOBIL S/S**
290 WEST STREET

NEW YORK, NY

Spill Number: 9208728

Close Date: 10/15/2003
TT-Id: 520A-0091-911

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1250 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: Tank Tester
Caller Name: WALT SPREEN
DEC Investigator: SIGONA

Spiller: JOANNE WALLACH - EXXONMOBIL CORP
Notifier Name:
Caller Agency: TANK TANK AND PUMP
Contact for more spill info:

Spiller Phone: (908) 474-2745
Notifier Phone:
Caller Phone: (718) 331-5003
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
10/28/1992		TANK TEST FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

DBL-WALL TANK-MONITORING WELLS ON SITE-NO SHEEN EIP-ASAP

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 45 **EXXONMOBIL #11713**
290 WEST ST

NEW YORK, NY

Spill Number: 0307319

Close Date: 10/15/2003
TT-Id: 520A-0091-460

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1250 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: Tank Tester
Caller Name: JERRY KASPER
DEC Investigator: SIGONA

Spiller: PAUL BETTENCOURT - EXXONMOBIL
Notifier Name: RICH WEBER
Caller Agency: CROMPCO CORPORATION
Contact for more spill info: JERRY KASPER

Spiller Phone: (703) 846-5373
Notifier Phone: (610) 278-7203
Caller Phone: (800) 646-3161
Contact Person Phone: (800) 646-3161

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/11/2003		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
101	4000	Horner EZ Check I or II	0.00	FAIL
102	4000	Horner EZ Check I or II	0.00	FAIL
The following tank was deleted from the reported data. Data reflects last reported information.				
102	4000	Horner EZ Check I or II	0.00	GROSS LEAK RATE

Caller Remarks:

Tank test failure at above location. Futher testing to be done.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 46 **COMERCIAL PROPERTY**
155 6TH AVE

MANHATTAN, NY

Spill Number: 0311296**Close Date: 03/06/2006**
TT-Id: 520A-0094-956

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1328 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: ANCIL ANTOINE

DEC Investigator: SMSANGES

Spiller:

Notifier Name: ANCIL ANTOINE

Caller Agency: TECHNOLOGY

Contact for more spill info: ANDY FIESER

Spiller Phone:

Notifier Phone: (347) 728-4012

Caller Phone: (347) 728-4012

Contact Person Phone: (908) 413-0297

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/06/2004		TANK TEST FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
E2	5000	VPLT (NDE) plus UTS-4T/U3 Ullage	0.00	UNKNOWN

Caller Remarks:

TEST FAILED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

PBS #2109851

3/6/2006 Sangesland spoke to building super "Mr. White" at 212-255-4870

He said both the 10,000 gal and 5,000 gal tank were in operation and they now run on #2 fuel oil. He didn't know about any tank failures.

Mr. White suggested I call the building manager: Susan Seckel 212-924-1023

Sangesland left a voice message with Ms. Seckel.

3/6/2006 In 2004 boiler was replaced and the fuel changed from #6 to #2.

At that time the 2 tanks were tested and the 5,000 gal tank failed the test.

The tank was isolated and retested and passed. The line from the tank to the boiler was found to leak. This line was repaired and retested and passed.

Spill closed.

Map Identification Number 47 **C TRUE BLDG CORP**
465 GREENWICH ST

NEW YORK, NY

Spill Number: 0100787

Close Date: 07/14/2003

TT-Id: 520A-0094-862

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1519 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Tank Tester

Caller Name: PHIL FAZIN

DEC Investigator: SIGONA

Spiller: EUGENE ANDREWS - C TRUE BLDG CORP

Notifier Name: PHIL FAZIN

Caller Agency: CROWN LEAK DETECTION

Contact for more spill info: EUGENE ANDREWS

Spiller Phone: (212) 529-5688

Notifier Phone: (516) 939-2959

Caller Phone: (516) 939-2959

Contact Person Phone: (212) 529-5688

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/20/2001		TANK TEST FAILURE	YES		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

ABOVE GROUND TANK IN A VAULT. POSS BAD VENT LINE.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 48

2 KING ST

MANHATTAN, NY

Spill Number: 0112067**Close Date: 07/22/2002**

TT-Id: 520A-0099-338

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1547 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: DAVID FAZIN

DEC Investigator: SMSANGES

Spiller:

Notifier Name:

Caller Agency: CROWN LEAK DETECTION

Contact for more spill info: NICK MARINOV

Spiller Phone:

Notifier Phone:

Caller Phone: (516) 939-2959

Contact Person Phone: (212) 661-1150

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
03/22/2002		TANK TEST FAILURE	NO		NO		
Material Spilled	Material Class		Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM		0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	6000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

tank top will be excavated and tank only test will be done

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND/VOUGHT"

7/22/2002-VOUGHT-Spoke with Dave Fazin on 6/13: PTC replaced lines 8 years ago. Tank was cut open and old suction/return lines were not plugged causing tank failure. Lines were plugged and tank passed test (passing test results and invoice by PTC provided to NYSDEC). Spill closed by Vought.

Map Identification Number 49 **APARTMENT COMPLEX**
26 CARMINE ST

MANHATTAN, NY

Spill Number: 0209533

Close Date: 11/12/2003
TT-Id: 520A-0099-333

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1773 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING

Notifier Type: Tank Tester

Caller Name: BILL FAZIN

DEC Investigator: JXZHAO

Spiller: APARTMENT COMPLEX

Notifier Name: BILL FAZIN

Caller Agency: CROWN LEAK DETECTION

Contact for more spill info: ANTONIO

Spiller Phone:

Notifier Phone: (516) 939-2959

Caller Phone: (516) 939-2959

Contact Person Phone: (212) 828-4534

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/16/2002		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	1080	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

ABOVE GROUND TANK. TANK SIZE MAYBE BIGGER THEN 1080. NO CALL BACK REQUESTED. REPAIRS AND RETEST.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHAO"

CALLED ANTONIO, BUILDING SUPER, AT 9.44 AM, ON 12/17/02 WHO CONFIRMED THAT NO OIL SPILL AS RESULT OF TANK FAILURE. PAGER (888) 389-3271.

11/12/2003-Vought-Closure Report-Petroleum Tank Cleaners received 6/16/2003 Mark Salamack 718-624-4842. "There had been a 3000 gallon and a 1080 gallon fuel oil tank at subject location. Both tanks were above ground tanks. In response to complaints of oil osors these tanks were tested and neither one passed. Each was removed and soil samples were obtained from under each tank". Analyticals show one TAGM 4046 exceedance (1,3,5-trimethylbenzene at 4180ppb). Spill closed by Vought and approved by Zhao.

Map Identification Number 50 **LITTLE RED SCHOOL HOUSE**
272 6TH AVE

NEW YORK CITY, NY

Spill Number: 0706903

Close Date: 05/29/2008
TT-Id: 520A-0089-866

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1868 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Notifier Type: Other

Caller Name:

DEC Investigator: RMPIPER

Spiller: MARLON JOSEPH - PETROLIUM TANK CLEANERS

Notifier Name:

Caller Agency:

Contact for more spill info: MARLON JOSEPH

Spiller Phone: (718) 624-4842 ext. 1

Notifier Phone:

Caller Phone:

Contact Person Phone: (718) 624-4842 ext. 1

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/21/2007		TANK TEST FAILURE	YES		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

it was a dry portion leak;

DEC Investigator Remarks:

9/25/07 bf: Called Michel de Konkoly Thege 212-477-5316. Left message to return my call. Sent ttf letter to:

Michel de Konkoly

Little Red School House

40 Charlton St.

New York, NY 10014

9/28/07 Received message from Mr. Thege on 9/25/07. They have appointment with contractor to have tank emptied and find source of failure on 10/5/07. He left his number which is same as above. His extension is 319. bf

11/16/07- Piper spoke w. Jason at Langan to perform borings through tank and undersidewalk. The will keep Dept in Loop. The school plans on converting to gas.

3/15/08- DEC Piper met contractors onsite to complete remainder of tank cleaning and sampling. odors were not present in hallways untill adjacent to work area. The school will be closed for the week and sampling will be performed and then the tank will be slurried.

5/29/08- DECPiper- I recieved and reviewed ust and spill closure report. Tank was cleaned and two enpoints were taken through tank bottom. No visible evidence of cont was discovered and laba analytical showed no exceedances. Tank was then slurried. Based on work to date, NFA granted. closed. See e-docs if warranted.

Map Identification Number 51 **LITTLE RED SCHOOL HOUSE**
272 6TH AVENUE

MANHATTAN, NY

Spill Number: 0209396

Close Date: 06/30/2006
TT-Id: 520A-0097-517

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1868 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: BILL FAZIN
DEC Investigator: rmpiper

Spiller: MICHELLE - LITTLE RED SCHOOL HOUSE
Notifier Name: BILL FAZIN
Caller Agency: CROWN LEAK DETECTION
Contact for more spill info:

Spiller Phone: (212) 477-5316 ext. 3
Notifier Phone: (516) 939-2959
Caller Phone: (516) 939-2959
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/12/2002		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

TANK TO BE INSPECTED AND RETESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"

7/24/2003-Vought-Conroy Environmental Consultants-631-423-1240 received NFA Request results dated April 30, 2003. Tank repair work included pumping existing fuel from tank, cleaning the tank interior and resealing tank manway. The tank ONLY passed the tightness test after repairs were made (tightness test results provided). Vent and fill line did not pass the test and as a result the fill line was immediately sealed and are scheduled to be replaced. For spill closure NYSDEC requires 1)Site Plan 2)borings or endpoints to investigate possibility of fill pipe impact to subsurface.

1/7/04-Vought-Spill transferred from Vought to Austin.

01/27/04 - Sawyer - Spill transferred from Austin to Sawyer.

11/28/05- DEC Piper sent out another ttf letter in regards to fill and vent line failure to Michele Dekonkoly Thege at 272 6th Ave, NY, NY. Daphne no longer w/ little red school house.

12/28/05- DEC Piper has spoke w/ Steve Russo, rep for Little Red School house. regarding borings. He will look into it.

5/5/06- DEC Piper has left message w/ Steve Russo, rep for Little Red School house. regarding borings, requesting callback and info.

5/11/06- DEC Piper spoke w. Steve. A visit is scheduled for 5/15 at 3:30pm.

5/15/06- DEC Piper responded to site to determine additional work. The 2 x 2 vault to the manway of an UST contained contaminated soil. Once opened the vault emitted vapors. Trap door was sealed with duct tape to prevent vapors intruding into basement classrooms. There is no such evidence that any soil was removed when the fill line was replaced (manifests, analytical, not mentioned in report. DEC instructed LRSH to remediate top of tank and perform borings along fill line. CSL letter sent.

6/6/06- DEC Piper left message for John at Langan requesting callback. Returning his call.

6/30/06- DEC Piper met w/ John Garvis of Langan and Hydrotech technicians. Contaminated Soil was excavated around manway with a shop vac approx, five gallons. Soil was clean under surface oil staining. Top of tank exposed w/ no indication of overfill to subsurface. Some concrete existed. Hydro tech to epoxy seal manway (2 coats) and concrete around manway. Fill and vent were replaced. No oil staining observed on old fill line entering basement. Closed. See e-docs if warranted.

Map Identification Number 52 **CLOSED-LACKOF RECENT INFO**
40 GROVE STREET

MANHATTAN, NY

Spill Number: 9801149

Close Date: 03/03/2003
TT-Id: 520A-0096-981

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2046 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: THOMAS LEDDY

DEC Investigator: ADMIN. CLOSED

Spiller: MARY ELLEN - JONIS REALTY COMPANY

Notifier Name: JOHN LEDDY

Caller Agency: PROTEST ENTERPRISES

Contact for more spill info:

Spiller Phone: (516) 466-3333

Notifier Phone: (516) 321-4670

Caller Phone: (516) 321-4670

Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/20/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	1500	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

FURTHER ACTION TO FOLLOW.

CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 53 **APARTMENT HOUSE**
40 GROVE STREET

MANHATTAN, NY 10014

Spill Number: 0304065

Close Date: 11/09/2005
TT-Id: 520A-0096-982

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2046 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO REVISION MADE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: JIM DONELAN
DEC Investigator: MDBRAND

Spiller: JOE MOHAN - 40 GROVE STREET LLC
Notifier Name: SAME
Caller Agency: PROTEST
Contact for more spill info: JIM - PROTEST

Spiller Phone: (516) 466-3333
Notifier Phone: ext. 0717200
Caller Phone: (631) 321-4670
Contact Person Phone: (631) 321-4670

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
07/17/2003		TANK TEST FAILURE	YES		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	0	GALLONS	0	GALLONS	

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	1500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK FAILED THE TEST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

07/18/2005: Letter requesting further information faxed to building manager, Jonis Realty. M. Brand NYSDEC DER Albany.

10/31/2005: Call to Jonis Realty, Joe Mohan(516-466-3333)requesting follow-up on faxed letter. Joe faxed invoice from ProTest showing repair and re-test of tank on 09/08/2003. Call to ProTest (Jim M. at 631-312-4670) looking for documentation of positive retest.

11/09/2005: Spoke with ProTest, tank was re-tested and passed on 09/08/2003. PBS (2-082139) shows tank was subsequently tested and passed on 09/27/2004. Spill closed 11/09/2005 due to tank repair, positive retest, and lack of environmental problems. NFA letter sent to Jonis Realty. M.Brand NYSDEC DER Albany.

Map Identification Number 54 **APARTMENT BUILDING**
159 PRINCE STREET

NEW YORK, NY

Spill Number: 0507990**Close Date: 09/25/2006**
TT-Id: 520A-0094-963

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2111 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
 Notifier Type: Tank Tester
 Caller Name: JIM MELNICK
 DEC Investigator: rvketani

Spiller: CHRIS LEAHY - APARTMENT BUILDING
 Notifier Name: JIM MELNICK
 Caller Agency: PROTEST
 Contact for more spill info: CHRIS LEAHY

Spiller Phone: (212) 777-8838
 Notifier Phone: (631) 321-4670
 Caller Phone: (631) 321-4670
 Contact Person Phone: (212) 777-8838

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/03/2005		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2200	Horner EZ Check I or II	0.00	UNKNOWN
2	1000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

10/05/04-Vought-Spoke with Jim Melnick and owner was not sure if he wanted to abandon, remove tank or leave it in place. If tank passes test he will leave it in place for possible future use. ProTest will reseal manhole, plug vent and retest. Vought sent out TTF letter to owner on PBS also requiring submission of updated PBS registration.

10/13/05-Vought-Received both copies of TTF returned to sender as "attempted -not known unable to forward. Addresses on letters were:

Noel Torsi
 114 Waverly Place
 New York, NY 10011

and

Chris Leahy
 159 Prince Street
 New York, NY 10012.

Vought called Leahy for correct address and received address from secretary and sent out new TTF letter to:

Christopher Leahy
636 11th Avenue
New York, NY 10036

10/21/05-Vought-Received message from Chris Leahy that source of failure was broken air release valve that will be replaced and tank will be retested. Report will be submitted to DEC.

05/17/06-Vought-Spill transferred from DEC Vought to DEC Ketani as per DEC Austin.

6/14/06 - Raphael Ketani. I tried to reach Mr. Leahy (lay-hee) at (212) 777-8838, but could only leave a voice message. There are 2 tanks on the property, but I could not find a PBS case. Mr. Melnick of Protest (631) 321-4670 had done the first tank test.

6/15/06 - Raphael Ketani. Mr. Leahy called me back. He said the PBS case is 2-339059. I checked the number and found both a 1500 and 2000 gallon tank listed. I told Mr. Leahy that I needed a revised PBS application, the successful test results for the 2000 gal. tank, a letter describing the removal of the 1500 gal. tank, and a cover letter from Protest stating that there was no oil spill, no impact to drains or the environment. He said he would get me these documents.

7/28/06 - Raphael Ketani. I spoke to Mr. Leahy and asked him for the revised PBS and the cover letter describing the incident, repairs, and that no drains or the environment were impacted. He said that he thought these documents were sent, but he will see to it that they are sent very shortly.

7/31/06 - Raphael Ketani. I received the FAXed 2000 gal. tank test report from Pro Test. The tank passed. However, I have not received the revised PBS. I left a message for Mr. Leddy of Pro Test and Mr. Leahy, the landlord.

Mr. Leahy told me that a 1100 gal. tank was removed by Petroleum Tank Cleaners and that there is only a 2000 gal. on site, NOT a manifolded 2000/2200 gal. system. He said that even the Fire Department had the wrong tank size a while ago. He said the PBS form hasn't come back from the expeditor, yet. He said he will send the revised PBS AND the report regarding the end point samples that were taken in the vicinity of the removed 1000 gal. tank. He said the end point samples were clean.

8/17/06 - Raphael Ketani. I tried to reach Mr. Leahy, but could only leave a message.

8/30/06 - Raphael Ketani. I tried to reach Mr. Leahy, but could only leave a message.

8/31/06 - Raphael Ketani. I received a call from Jessinia of Edgemont Realty (212) 228-6757 - the expeditor. She said that she had an affidavit for the removed tank (1080 gals.) and a check for renewal of the registration of the 2000 gal. tank. She asked who she should send it to. I told her to send it to me and I will walk it over to Nick Lombardo in the PBS Unit. She said she spoke to Mr. Lombardo and she said that he told her just to send the affidavit and the check for the renewal.

I spoke to Mr. Lombardo and he said he recalled the conversation with Jessinia and he showed me a FAXed PBS registration form with the removal of the 1080 gal. tank and renewal of the 2000 gal. tank. He said he is just waiting for the original PBS form, the affidavit and the check.

9/25/06 - Raphael Ketani. I received a call from Jessina inquiring whether the DEC had received all of the paperwork for the

site. I told her I had the cover letter explaining what triggered the spill case. I told her I had to check with Mr. Lombardo of the PBS Unit to see whether he had received all of the necessary paperwork and the check. Mr. Lombardo told me that he must have received everything as Albany DER issued a certificate for the tank registration. I told her that the DEC had received all of the necessary paperwork.

Based upon receipt of the revised PBS registration, the affidavit, the check, and the passing tank test results, I am closing the spill case.

Map Identification Number 55 **PROPERTIES SOLUTIONS**
155 SPRING STREET

MANHATTAN, NY

Spill Number: 0514284

Close Date: 11/23/2007
TT-Id: 520A-0097-526

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2262 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: ISSAC MUNGRA
DEC Investigator: rmpiper

Spiller: CRAIG - PROPERTIES SOLUTIONS
Notifier Name: ISSAC MUNGRA
Caller Agency: EASTMAN & SONS
Contact for more spill info: CRAIG

Spiller Phone: (732) 417-0999
Notifier Phone: (718) 378-3000
Caller Phone: (718) 378-3000
Contact Person Phone: (732) 417-0999

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/14/2006		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	1500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

mailed ttf to

Mrs. Emile Mercier
Charles Jourdan USA Inc.
2 Caesar Place
Moonachie, NY 07074

and
Charles Jourdan USA Inc.
136 West 11th Street
New York, NY 10011

No PBS records on property.
Spoke w/ craig norris of Properties solutions. He is a contractor representing potential buyer. He will also look into current ownership.

3/30/06- faxed pbs application to donna. The tightness test failure was due to a line leak, tank passed.

5/8/06- DEC Piper left message for Donna (Rep for prop.) 201-974-1286 cell-201-906-7995 Repairs have been made though a PBS application needs to be submitted.

2/28/07- DEC Piper left message for donna requesting callback and info.

3/5/07- DEC Piper spoke w. Donna, The building has been sold and she will get back to me with contact.

11/23/07- DECP iperreviewed case. Spill closed though PBS violations exist. Referred to PBS for enforcement.

3/5/08 PBS inspection yesterday. NOV issued for failing to register, failing to color code fill port, and failure to label AST.
Administrative settlement conference scheduled for 3/27/08. bf

Map Identification Number 56 **6 PRECINCT NYPD -DDC**
233 WEST 10TH STREET

MANHATTAN, NY

Spill Number: 9212918

Close Date: 12/22/2006
TT-Id: 520A-0091-944

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2469 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: SEBASTIAN LOREFICE
DEC Investigator: JAKOLLEE

Spiller: NYCPD-PRECINT #6
Notifier Name:
Caller Agency: TANK TESTING
Contact for more spill info:

Spiller Phone: (718) 476-7574
Notifier Phone:
Caller Phone: (718) 789-3770
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
02/17/1993		TANK TEST FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

TWO SEPERATE TANKS-TANK ONLY TESTS #1 VISIBLE LEAK,#2 GROSS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"

Site was investigated by TRC Env'tal and then by URS, as part of DDC Consent Order. Soil and groundwater contamination was found; URS proposed installing SVE system to address soil and monitoring for groundwater. JK of DEC approved this plan. SVE system started in March 2002. In November 2003, URS advanced 6 confirmation soil borings to evaluate progress. Results showed high residual contamination at shallow depth in boring in sidewalk area near former fill port. URS proposed NFA/spill closure, but DEC asked for limited soil excavation in area of fill port. Then in May 2004, Con Edison encountered strong gasoline odors when excavating in street in front of fill port area; soil samples showed gasoline contamination (see spill 0401426). URS argued that further soil excavation was not practical, but recommended modifying SVE system by adding a 2nd extraction well in sidewalk; DEC approved this. System was modified, and re-started in January 2005 using only the newer SVE well. On-going semi-annual groundwater monitoring continues to show minor VOC exceedances. - JK 6/15/05

Nov.-Dec. 2005: Reviewed System Performance Monitoring Report for August-October 2005. SVE system monitoring data show system appears to have reached asymptotic conditions, so URS will perform a confirmatory soil boring in area near sidewalk fill port where earlier confirmation sampling found high levels of VOCs. Groundwater results from July 2005 showed contaminant levels in the two wells that were sampled, MW-7 and MW-11R, increased to about 500-600 ppb total VOCs, and irregular groundwater flow direction with eastward component in area of MW-7 and MW-4. URS stated that all wells be sampled in first quarter of 2006. - J. Kolleeny

10/19/06: Reviewed URS report Results of Confirmation Soil Sampling 2nd Round and Groundwater Results / Request for Spill Closure, dated Oct. 18, 2006. Results of soil sample from boring SB-12 near sidewalk fill port area and earlier hot confirmation boring SB-6 showed some TAGM 4046 exceedances (total VOCs of 29 ppm), but not nearly as high as SB-6 (total VOCs of 110 ppm).

Exceedances are in shallow fill materials above a low-permeability silty clay layer, with sand & gravel below that; URS speculates that SVE system preferentially pulled vapors through sand/gravel layers, with little effect on top layer of fill materials due to silty clay layer. Groundwater sampling of wells MW-7 and MW-11R during Feb. and July 2006 showed ND for MW-11R and low-level contamination in MW-7 (up to ~30 ppb total VOCs). URS also did Sensitive Receptor Survey suggesting that the residual soil and groundwater contamination were unlikely to impact any receptors, they therefore requested spill closure and NFA. However, they did not sample all monitoring wells as they stated in the 11/18/05 System Performance Monitoring Report for August-October 2005. I sent email to Jane Staten of URS requesting that they sample wells MW-1 through MW-9 during the 4th quarter of 2006. - J. Kolleeny

12/22/06: Reviewed URS's Request for Spill Closure dated Dec. 6, 2006. Report presents results of full round of groundwater sampling, as requested, although no samples were taken from MW-3 because it was inaccessible or MW-11R because it was ND for last two rounds (Feb. and July '06). [MW-3 was clean last 3 times it was sampled, in June 2000, March 2001, and May 2001.] GW samples were collected from MW-1, MW-2, MW-4, MW-6, MW-7, MW-8 & MW-9 on Nov. 27, 2006. Results showed exceedances only in MW-7, with 75 ppb total VOCs. This low-level contamination does not pose a significant threat to the environment or public, and will likely naturally attenuate over time. Residual soil contamination in area of borings SB-6 and SB-12 near sidewalk fill port is located above low-permeability silty clay layer, which will limit its potential to impact GW, which is 24-25 feet below grade. After conferring with supervisor Vadim Brevdo, decided to close spill. - J. Kolleeny

Map Identification Number 57 **6 PRECINCT NYPD -DDC**
233 WEST 10TH STREET

MANHATTAN, NY

Spill Number: 9111635

Close Date: 01/10/2005

TT-Id: 520A-0091-866

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2469 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: SEBASTIAN LAREFICE
DEC Investigator: JAKOLLEE

Spiller: NYPD PRECINCT 6
Notifier Name:
Caller Agency: TANK TESTING
Contact for more spill info:

Spiller Phone: (718) 476-7574
Notifier Phone:
Caller Phone: (718) 789-3770
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/11/1992		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	POUNDS	0	POUNDS	GROUNDWATER

MTBE (METHYL-TERT-BUTYL ETHER) HAZARDOUS MATERIAL 0 UNKNOWN 0 UNKNOWN

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1		Unknown	0.00	UNKNOWN
2		Unknown	0.00	UNKNOWN

Caller Remarks:

TANK 1,2 TEST FAILED, E.I.R.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"

10/10/95: This is additional information about material spilled from the translation of the old spill file: NO LEAD.

This spill is referred to spill #9212918 and is closed today by II (01/10/05).

NYSDEC FALL 1998 MTBE SURVEY INFORMATION FOR 9111635

Maximum MTBE concentration: 420.0 PPB
BTEX offsite: Yes

Current MTBE concentration: 420.0 PPB

Source of MTBE

Steel Underground Storage Tank -
Fiberglass Underground Tank -
Aboveground Storage Tank -
Piping -
Source not identified - X
Other source -

Number of private drinking water wells impacted: 0
Number of public water supply wells impacted: 0
Number of private drinking water wells impacted: 0
Number of replacement wells drilled: 0
Number of water main extensions: 0
Number of water main hookups: 0
Number of residences provided w/ bottled water: 0
Number of people affected: 0

Indoor Air Impacts : No
Aquifer Impacts : No

Ongoing remediation: No

Monitoring Frequency

Monthly - Quarterly - Semi-annual - Annual - Other -

Remedial Action used

No Action -

Groundwater		Soil	
Pump and Treat	-	Soil Vapor extraction	-
Air sparging	-	Excavation and disposal	-
Bioreactor	-	Bioremediation	-
Natural attenuation	-	Low temp thermal desorption	-
Oxygen injection	-	Oxygen injection	-
Biosparging	-	Other	-
Dual phase extraction	-		
Other	-		

Under investigation: Yes

Dept. of Health involvement: No

Dept. of Health Remarks: No remarks given for this spill

General Remarks: No remarks given for this spill

Map Identification Number 58 **SPRING STREET ASSOCIATES**
131-137 SPRING ST

NEW YORK, NY

Spill Number: 9906032**Close Date: 06/09/2000**

TT-Id: 520A-0093-335

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2561 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING

Notifier Type: Tank Tester

Caller Name: JOHN LEDDY

DEC Investigator: MCTIBBE

Spiller: DAVID PUCHKOFF - SPRING STREET ASSOCIATES

Notifier Name: A LOPEZ

Caller Agency: PROTEST ENTERPRISES

Contact for more spill info: LAURA BRENNAN

Spiller Phone:

Notifier Phone:

Caller Phone: (516) 321-4670

Contact Person Phone: (212) 906-9446

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/19/1999		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

BAD CUT OUT PATCH

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
CONTACT FOR SPILL LOCATION IS ACTUALLY THE CONSULTANT.

SEE FILE.

Map Identification Number 59 **REAL ESTATE TRANS.**
476 BROOME STREET

NEW YORK, NY 10013

Spill Number: 0606003

Close Date: 04/16/2007

TT-Id: 520A-0098-904

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2585 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO REVISION MADE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name:
DEC Investigator: BKFALVEY

Spiller: ABRAHAM WEXLER - REAL ESTATE TRANS.
Notifier Name:
Caller Agency:
Contact for more spill info: ABRAHAM WEXLER

Spiller Phone: (718) 731-7011
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 731-7011

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/24/2006		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

SHOULD EMPTY TANK:

DEC Investigator Remarks:

8/28/06 ttf letter sent. bf

4/16/07 NFA. Spill combined into previous tank test failure of same tank (Spill #0605754). bf


CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 60 **MANHOLE 49087**
517-19 WASHINGTON ST

MANHATTAN, NY

Spill Number: 9909799

Close Date: 02/06/2004

TT-Id: 520A-0094-852

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 230 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: STEVEN CRIBBIN
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: MR BRUNS
Caller Agency: CON ED
Contact for more spill info: STEVEN CRIBBIN

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-8576
Contact Person Phone: (212) 580-8576

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
11/12/1999		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 QT OF PRODUCT ON 75 GALS WATER - CLEAN UP PENDING LAB RESULTS

CON ED#128961

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 128961:

1-QT. OF AN UNKNOWN OIL WITH 75 GALS. OF WATER. TOOK A SAMPLE. THE CLEANUP IS PENDING LAB RESULTS.

LAB SEQ.# 99-11942

PCB <1 PPM

11/20/99 clean up complete in MH -49087. Used flush truck to clean & rinse structure. Removed 200 gals. Oil/water to <50 tanker.

Map Identification Number 61 **ROADWAY** **Spill Number: 9801469** **Close Date: 05/05/1998**
 375 HUDSON ST MANHATTAN, NY TT-Id: 520A-0094-846

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 303 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN - UNKNOWN	Spiller Phone:
Notifier Type: Local Agency	Notifier Name: ROBERT KEPICH	Notifier Phone: (718) 595-6777
Caller Name: ROBERT KEPICH	Caller Agency: NYC DEP	Caller Phone: (718) 595-6777
DEC Investigator: UNASSIGNED	Contact for more spill info: ROBERT KEPICH	Contact Person Phone: (718) 595-6777

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/04/1998		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

CALLER STATES LIMITED INFORMATION, WILL INVESTIGATE FURTHER.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "
 SEWER SPILL - IWCS

Map Identification Number 62**VAULT 426**
344 WEST ST

MANHATTAN, NY

Spill Number: 0002527**Close Date: 03/24/2004**

TT-Id: 520A-0099-360

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 498 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: TONY LOPEZ
DEC Investigator: JHOCONNESpiller: UNKNOWN
Notifier Name: MR TYNDALL
Caller Agency: CON EDISON
Contact for more spill info: TONY LOPEZSpiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/30/2000		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	6.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL IN VAULT ON TOP OF 300 GALLONS OF WATER WILL BE CLEANED UP PENDING RESULTS CON EDISON REF # 131629

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131629:

Spill of dielectric fluid approximately 6 gallons of oil sitting atop 300 gallons of water. The pcb content is 21 ppm as per records. Condiut plate 12-F-2 indicates no sewer connection.

lab sequence # 00-05274 PCB 9 ppm

E. Higgins reports clean up completed on 7/19/00 utilizing flush truck. Transformer was replaced on same day.

Map Identification Number 63 **COMMERCIAL SITE**
330 HUDSON STREET

NEW YORK, NY

Spill Number: 0801267

Close Date: 06/09/2008
TT-Id: 520A-0214-853

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 522 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name:
DEC Investigator: SFRAHMAN

Spiller: ERIC TELEMAQUE - COMMERCIAL SITE
Notifier Name:
Caller Agency:
Contact for more spill info: ERIC TELEMAQUE

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 631-9000

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/28/2008		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

NO EVIDENCE OF TANKS AND FOUND CONTAMINATED SOIL IN COURT YARD AREA

DEC Investigator Remarks:

Sangesland spoke to Eric Telemaque with Emteque Corp. He said the site was a "U" shaped warehouse with a courtyard open on one side. The owner wants to enclose the courtyard and make it part of the building. During digging for this construction, petroleum contaminated soil was found in one specific location. No tanks were found there. A lot of excavation work has already been done (19 ft deep), so a CSL letter may not be needed. Sharif needs to speak with Eric Telemaque to determine what additional work is needed. Probably excavate the area and get clean end point samples.

Property owner is:
Tribeca Associates LLC
321 Greenwich St
NY NY 10013
Mr. Bill Brodsky
212-941-5954

06/09/08-Closure report prepared by EMTEQUE.During excavation petroleum contaminated soil were identified in the rear courtyard. Approx. 600 tons of contaminated soils were removed from the site. One 7,500 gallons AST was noted on site, no UST was

encountered during the excavation. End point samples were taken from nine grid locations.No vocs was found above TAGM limit, svocs(PAHs) were slightly above TAGM at one location, which can be attributed to historic fill material.Pictures,waste disposal manifest are attached.NFA required.(sr)

Map Identification Number 64 **VAULT 329**
340 WEST STREET (BAY 37)

MANHATTAN, NY

Spill Number: 0602720

Close Date: 03/19/2007
TT-Id: 520A-0099-366

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 623 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: 340 WEST ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: GDBREEN

Spiller: CON EDISON
Notifier Name:
Caller Agency:
Contact for more spill info: ERT DESK'

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
06/11/2006		UNKNOWN	NO		NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL	

Caller Remarks:

1 quarts of unknown oil on 8 gallons of water
cleanup pending sample lab results
ref 200513

DEC Investigator Remarks:

03/19/07 - See e-docs for Con Ed report detailing cleanup and closure.

200513. see eDocs.

Map Identification Number 65 **CLARKSON ST/WASHINGTON ST**
CLARKSON ST/WASHINGTON ST

MANHATTAN, NY

Spill Number: 9610088**Close Date: 11/13/1996**
TT-Id: 520A-0090-146

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Citizen
Caller Name: CHARLES LIUZZA
DEC Investigator: SMMARTIN

Spiller: UNK
Notifier Name: KEVIN LEUDESZORFF
Caller Agency: NYC DEP
Contact for more spill info:

Spiller Phone:
Notifier Phone: (212) 633-4900
Caller Phone: (718) 595-6777
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/12/1996		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

unk spiller spill on cobble stone apx 10 gallons spilled

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"

Map Identification Number 66 **WEST HOUSTON & WEST ST**
W. HOUSTON & WEST ST

MANHATTAN, NY

Spill Number: 0006503**Close Date: 09/12/2000**
TT-Id: 520A-0099-342

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 767 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: WEST HOUSTON ST / WEST ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Affected Persons
 Caller Name: BRIAN JOYCE
 DEC Investigator: JHOCONNE

Spiller: PERREINI CONTRACTORS
 Notifier Name: MR MCKENNA
 Caller Agency: CON EDISON
 Contact for more spill info: BRIAN JOYCE

Spiller Phone:
 Notifier Phone: (914) 925-6206
 Caller Phone: (212) 580-6763
 Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/31/2000		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	OTHER	1.00	GALLONS	0.00	GALLONS	SOIL
OTHER PETROLEUM	UNKNOWN	1.00	GALLONS	0.00	GALLONS	

Caller Remarks:

DURING EXCAVATION THE PAVING CREW AN OLD GAS MAIN WAS MOVED AND

THERE WAS A 1 GAL SPILL OF DRIP WATER (COULD POSS CONTAIN CONTAMINATES) SPILL CONTAINED IN THE EXCAVATION - CON ED# 13315

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

8/31/00, 4:00 PM: spoke with Gary Windman (Gas Ops) - this is NOT a 3rd party spill. It is a Con Ed gas line, but break was caused by a contractor. Also, Construction Mgmt. is responsible organization for clean up. Material is being treated as hazardous for benzene contamination. No samples were taken for PCBs.

4:10 PM: left message for Greg Rucco (Construction Mgmt) to get details of clean up. (JHO)

9/5/00: spoke with Greg Rucco - 3 drums of soil were removed. Samples were collected from drums and from excavation after soil removal for benzene only. I asked Rucco to contact the Chem Lab - see if they have enough soil sample from drums to run for PCB scan. If not, take wipe sample from pipe for PCBs. After speaking with Chem Lab, he informed me that samples were sent to an outside lab. Chem Lab will send a tech to site to take PCB wipe samples from inside the pipe. (JHO)

9/6/00: benzene sample from excavation lab sequence # 00-08420 <0.00091 ppm. (JHO)

9/12/00: wipe samples from inside gas line non-detect for PCBs - lab sequence # 00-08660. (JHO)

e2mis no. 133-150:

On 8/31/00 at 1422 Construction Management reported a spill of unknown liquid from a 6 in cast iron gas main in an excavation at W.Houston St 30 feet East of West St. Man. The spill was contained to the excavation and did not enter any sewers, waterways or subsurface structures. The spill was caused by Perreni Contractor working for New York State doing paving work. The job was supervised by Construction Management.

1/11/01 J. Mele reports that on 8/31/00 spill was cleaned up from excavation. On 9/5/00 pipe was removed from site and brought back to Con Edison's Yard W 28 St for disposal.

Map Identification Number 67 **609 GREENWICH ST**
609 GREENWICH ST

NEW YORK, NY

Spill Number: 0600251

Close Date: 04/10/2006
TT-Id: 520A-0090-477

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 835 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Fire Department
Caller Name:
DEC Investigator: rvketani

Spiller: DISPATCHER 187
Notifier Name:
Caller Agency:
Contact for more spill info: DISPATCHER 187

Spiller Phone: (212) 629-2900
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 629-2900

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/07/2006		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
FREON	OTHER	30.00	POUNDS	0.00	POUNDS	AIR

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

DEC Ketani took the call - spoke to DEC Jane O'Connell who said to close it.

Map Identification Number 68 **208152; CHARLTON ST**
 CHARLTON ST

, NY

Spill Number: 0890226

Close Date: 11/09/2007
 TT-Id: 520A-0220-032

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 842 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: CHARLTON ST / VARICK ST

Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: Unassigned

Spiller: ERT DESK - CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
09/20/2007		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0.01	GALLONS	0.00	GALLONS	UTILITY

Caller Remarks:

M29783 -- 44 CHARLTON ST -- DILECTRIC FLUID

Closed: Agency Approval Not Required

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 69 **HESS SPILLED #4 FO INTO XFMR VAULT 4879**
 IN FRONT OF 180 VARICK STREET

MANHATTAN, NY

Spill Number: 0710108

Close Date: 02/20/2008
 TT-Id: 520A-0211-253

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 852 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Affected Persons

Caller Name:

DEC Investigator: gdbreen

Spiller: (732) 750-6637 - HESS - NOT CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERTSDESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
12/21/2007		OTHER	NO		NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
#4 FUEL OIL	PETROLEUM	75.00	GALLONS	0.00	GALLONS	SOIL	

Caller Remarks:

HESS SPILLED MATERIAL AND IT WENT INTO THE TRANSFORMER Vault AT THE ADRESS GIVEN; NO CLEAN UP AT THIS TIME;

209216

DEC Investigator Remarks:

02/20/08 - See eDocs for Con Ed report detailing cleanup and closure.

12/21/07 - Raphael Ketani. The spill is the result of a misdelivery at 180 Varick Street (see spill number 0710100). The oil sprayed out of the vent pipe and onto the street and into the vault. Some oil from the spill got into the vault, but it is not known how much. PTC and cleanup crews hired by HESS are presently cleaning up the street. I spoke to Tony Buda of Con Ed Emergency Response (212) 580-8383. He said that Clean Harbors was called to clean out the vault and service box. Con Ed's own crew was called to assist in the cleanup.

209216 for Con Ed portion of cleanup. see eDocs

Map Identification Number 70 **499 GREENWICH STREET**
499 GREENWICH STREET

NEW YORK, NY

Spill Number: 0101432

Close Date: 06/01/2001
TT-Id: 520A-0094-853

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 870 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: ELLEN PETERSON-LEWIS
DEC Investigator: SIGONA

Spiller: GREENWICH-RENWICK,LLC
Notifier Name: SAME
Caller Agency: COOM EVIORNMENTAL COLITIO
Contact for more spill info: ELLEN PETERSON-LEWIS

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 741-6244
Contact Person Phone: (212) 741-6244

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
05/06/2001		UNKNOWN	2-482080	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

DURING GEOTECHNICAL BORING PERFORMED BY WARREN GEORGE INC OF
JERSEY CITY TANKEN ON SITE DURING APRIL OF 2001. STRONG PETROLEUM
ODORS WERE DISCOVERED ON SITE. THIS IS CONSISTANT WITH RECORDS
REVIEW WHICH NOTED POTENTIAL FOR POSS. BURIED TANKS ON SITE.
CALLER IS REQUESTING CALL BACK FROM REGIONAL OFFICE. - - - -

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

This spill was closed by DEC Sigona, after consulting with property owner, who agreed to make a notification to DEC under Spill No. 0101564. Also see spill No. 9006678 & 9806774 for background information.

Property owner agreed to submit site investigation to DEC.

Map Identification Number 71 **SUBWAY TUNNEL**
VARICK ST/VANDAM ST

MANHATTAN, NY

Spill Number: 0107041

Close Date: 10/12/2001
TT-Id: 520A-0090-753

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 928 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: DEC
Caller Name: SONDR A MARTINKAT
DEC Investigator: JMKRIMGO

Spiller: UNKNOWN
Notifier Name: MOHAMMAD YASSAN
Caller Agency: REG 2
Contact for more spill info: SONDR A MARTINKAT

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 482-4911
Contact Person Phone: (718) 482-4911

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/07/2001		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

mta reported that de-watering must be done.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
S. MARTINCAT INFORMED ME THAT DEP NOT DEC WAS REQUESTED AT THIS SITE.

Map Identification Number 72 **NYC SANITATION GARAGE**
297 WEST STREET

NEW YORK, NY 10013

Spill Number: 0012882

Close Date: 05/30/2007
TT-Id: 520A-0099-368

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 929 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 297 WEST ST
Revised zip code: NO REVISION MADE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: JIM MULVEY
DEC Investigator: JAKOLLEE

Spiller: NYC SANITATION GARAGE
Notifier Name: JIM MULVEY
Caller Agency: FENLEY NICHOL ENVIRON
Contact for more spill info: GEORGE MCDERMOTT

Spiller Phone:
Notifier Phone: (631) 586-4900
Caller Phone: (631) 586-4900
Contact Person Phone: (516) 485-0000

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
02/13/2001		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL		OTHER	0	GALLONS	0	GALLONS	SOIL
MOTOR OIL		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CONTAMINATED SOIL FOUND IN THE COURSE OF A TANK ABANDONMENT

TANKS ARE VAULTED AND ARE NEXT TO VAULTED TANKS STILL IN USE

DEC Investigator Remarks:

05/30/07: This spill case transferred to J. Kolleeny. LiRo Engineers performed remediation of this site under DDC Consent Order. Remedial actions included excavation of contaminated soil from several areas, installation & operation of SVE system, bio-nutrient injections and ORC injections. Results of LiRo's February 2006 Sensitive Receptor Survey (in eDocs for related spill 9804683) indicate that low-level residual GW contamination in two wells is unlikely to pose a hazard to environment or public health. Remedial actions and well network addressed entire site, all tanks, including these hoist oil and motor oil tanks. OK to close spill. - JK

Map Identification Number 73 **DRUM RUN**
31 RENWICK STREET

MANHATTON, NY

Spill Number: 0707082 **Close Date: 10/31/2007**
TT-Id: 520A-0089-870

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 947 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name:
DEC Investigator: SFRAHMAN

Spiller: UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info: DEP

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 595-4784

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/26/2007		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER		OTHER	55.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

it is out in the street; no one is on scene to clean up the spill

DEC Investigator Remarks:

Spoke with Shaun Donohue of DEP, drum is secured, added to next drum run list.
10/31/07 Drum was pumped out on 10/30/07 and NYC sanitation was notified to pick up the empty drum.(SR)

Map Identification Number 74 **208130; CHARLTON ST**
CHARLTON ST

, NY

Spill Number: 0890225

Close Date: 10/30/2007
TT-Id: 520A-0218-134

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 950 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: 44 CHARLTON ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: Unassigned

Spiller: ERT DESK - CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/19/2007		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID		PETROLEUM	2.00	GALLONS	0.00	GALLONS	UTILITY

Caller Remarks:

V4527 -- 44 CHARLTON ST & VARICK ST -- TRANSFORMER OIL
Closed: Agency Approval Not Required

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 75

129 LEROY ST

MANHATTAN, NY

Spill Number: 0004935**Close Date: 07/25/2000**

TT-Id: 520A-0099-358

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 969 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Affected Persons

Caller Name: KATY BORDONARO

DEC Investigator: SMSANGES

Spiller: DJ CARLISE REALITY

Notifier Name: SAME

Caller Agency: CITIZEN

Contact for more spill info: KATY BORDONARO

Spiller Phone: (212) 481-8200

Notifier Phone:

Caller Phone: (212) 675-3004

Contact Person Phone: (212) 675-3004

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/25/2000		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	AIR
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	AIR

Caller Remarks:

CALLER STATES A CONSTRUCTION CREW AT ABOVE LOCATION PERFORMING

TEST BORING. SITE IS A FORMER GAS STATION AND TESTING CAUSING

AN ODOR IN AIR OF ABOVE MATERIALS. CALLER IS REQUESTING TO

SPEAK TO REP FROM REGIONAL OFFICE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
Burnt rubber smell from a burnt gasket on a drilling rig digging on the site.

Map Identification Number 76 **HUDSON RIVER - PIER 40**
WEST SIDE HIGHWAY

MANHATTAN, NY

Spill Number: 9609777**Close Date: 11/05/1996**

TT-Id: 520A-0094-857

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 971 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: WEST SIDE HWY/PIER 40
Revised zip code: 10014

Source of Spill: UNKNOWN
Notifier Type: Citizen
Caller Name: KEVIN HENSON
DEC Investigator: KSTANG

Spiller: UNKNOWN
Notifier Name: ELEEN PEHEK
Caller Agency: US COAST GUARD
Contact for more spill info:

Spiller Phone:
Notifier Phone: (212) 924-5610
Caller Phone: (212) 668-7920
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/05/1996		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

sheen on the water - uscg enroute

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
OFFICER JOE BOWES OF USCG, REPORTED THAT OIL SHEEN WAS SIGHTED BY THEIR TOON, BUT NON RECOVERABLE, NO SOURCE DETERMINED

Map Identification Number 77 **PIER 40 / HOLLAND TUNNEL**
PIER 40 / HOLLAND TUNNEL

MANHATTAN, NY

Spill Number: 9113203**Close Date: 03/29/1992**
TT-Id: 520A-0094-860

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (2)

Approximate distance from property: 971 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10014

Source of Spill: UNKNOWN
Notifier Type: Federal Government
Caller Name: OFF. DELROFF
DEC Investigator: KSTANG

Spiller: UNK
Notifier Name:
Caller Agency: USCG
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 668-7936
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
03/29/1992	03/29/1992	UNKNOWN	UNKNOWN		NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
WASTE OIL/USED OIL	PETROLEUM	0	POUNDS	0	POUNDS	SURFACE WATER	

Caller Remarks:

USCG ON SCENCE, DEP NOTIFIED. CALLED OFF. DELROFF BACK, USCG RESPONSETTEAM FOUND OIL SHEEN NEAR BRIDGE, DISSIPATING, CAN'T BE RECOVERED AND CAN'T FIND SOURCE, POSS. DUE TO DUMPING.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

Map Identification Number 78 **HUDSON RVR SOUTH PIER 40**
HUDSON RVR SOUTH PIER 40

MANHATTAN, NY

Spill Number: 0030023**Close Date: 03/26/2004**
TT-Id: 520A-0094-859

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (2)

Approximate distance from property: 971 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10014

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: STEVEN SACCACIO
DEC Investigator: SACCACIO

Spiller: UNKNOWN
Notifier Name: LAURIE SILBERFELD
Caller Agency: DEC REGION 2
Contact for more spill info:

Spiller Phone:
Notifier Phone: (212) 791-2530
Caller Phone: (718) 482-6364
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/19/2000		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

Notifier contacted RSE and informed hin that she observed an 80' sheen in the Hudson River just south of Peir 40

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 79 **LEROY ST/HUDSON ST**
LEROY ST BY HUDSON ST

MANHATTAN, NY

Spill Number: 9513627

Close Date: 01/27/1996
TT-Id: 520A-0092-906

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 972 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: LEROY ST / HUDSON ST

Revised zip code: 10014

Source of Spill: TANK TRUCK
Notifier Type: Local Agency
Caller Name: CHARLES #114
DEC Investigator: TOMASELLO

Spiller: MYSTIC FUEL OIL
Notifier Name: MR LEWIS
Caller Agency: NYC DEP
Contact for more spill info: MR LEWIS

Spiller Phone:
Notifier Phone: (212) 526-2413
Caller Phone: (718) 595-6777
Contact Person Phone: (212) 526-2413

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/27/1996		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

notifier attempted to tell driver that oil was spilling - driver ignored the notifier and did very little about oil in road

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 80	HUDSON RIVER		Spill Number: 9808136	Close Date: 10/02/1998
	CANAL ST	MANHATTAN, NY		TT-Id: 520A-0101-776

MAP LOCATION INFORMATION	ADDRESS CHANGE INFORMATION
Site location mapped by: MANUAL MAPPING (5)	Revised street: NO CHANGE
Approximate distance from property: 997 feet to the SW	Revised zip code: UNKNOWN

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Federal Government	Notifier Name: JIM COFFEY	Notifier Phone: (212) 938-4258
Caller Name: MST WARD	Caller Agency: US COAST GUARD	Caller Phone: (718) 254-4136
DEC Investigator: JXZHAO	Contact for more spill info:	Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/02/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

CALLER STATED A REDDISH BROWN MATERIAL WAS SCENE ON TOP OF HUDSON RIVER.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHAO"
COAST GUARD ON SCENE. THEY BELIEVE IT IS MUD FROM BOTTOM OF THE RIVER, NOT OIL OR CHEMICALS.

Map Identification Number 81 **HUDSON RIVER**
CANAL STREET

NEW YORK, NY

Spill Number: 0310967

Close Date: 12/29/2003
TT-Id: 520A-0101-773

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 997 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: CANAL ST
Revised zip code: 10013

Source of Spill: VESSEL
Notifier Type: Fire Department
Caller Name: PETTY OFFICER JANSEN
DEC Investigator: CESAWEYER

Spiller: UNKNOWN BARGE
Notifier Name: NYC FIRE DEPT.
Caller Agency: COAST GUARD
Contact for more spill info: PETTY OFFICER JANSEN

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 354-4121
Contact Person Phone: (718) 354-4121

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/24/2003		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	POUNDS	0	POUNDS	SURFACE WATER

Caller Remarks:

CALLER STATES CONTINOUSE PETROLUEM SPILLING FROM BARGE. FIRE DEPT. REPORTED IT TO COAST GUARD FOR INFORMATION, . PHONES ARE BEING ROLLED OVER TO EMERGENCY #S. ANOTHER # 718-354-4256

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"

12/24/03 1450 Hrs - Sawyer - The spill was updated and there was no continuous leak. The sheen had dissipated and the original call was from deck runoff. Closed.

Map Identification Number 82 **LIBERTY VIEW CORP**
533 CANAL ST

NEW YORK, NY

Spill Number: 0109831

Close Date: 01/11/2002
TT-Id: 520A-0091-296

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1000 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: FRDERICK CAPUTO
DEC Investigator: EXROSSAN

Spiller: CALLER - BAYSIDE FUEL OIL
Notifier Name: FRDERICK CAPUTO
Caller Agency: PERTO OIL
Contact for more spill info: SUSAN SOLOMAN

Spiller Phone: (718) 946-4000
Notifier Phone: (718) 946-4000 ext. 2
Caller Phone: (718) 946-4000 ext. 2
Contact Person Phone: (212) 475-8811

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RESPONSIBLE PARTY;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
01/11/2002		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller states spill poss from a vent pipe - under investiagtion - clean up in progress

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROSSAN"
CALLED FREDERICK CAPUTO, BAYSIDE FUEL, 1/11/02, WHO CONFIRMED THAT CLEAN-UP IS BEING DONE.

STEVE SANGESLAND VISITED THIS SITE AND CONFIRMED THAT THIS SPILL WAS CLEANED-UP BY MILRO SATISFACTORLY. SPILL CLOSED.

Map Identification Number 83 **160-170 VARICK ST**
160-170 VARICK ST

MANHATTAN, NY

Spill Number: 9709317

Close Date: 11/12/1997
TT-Id: 520A-0099-355

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1000 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Responsible Party
Caller Name: CHARLES PUGLISI
DEC Investigator: MCTIBBE

Spiller: UNKNOWN
Notifier Name: MIKE HELFONT
Caller Agency: MYSTIC TRANSPORTATION
Contact for more spill info: CHARLES PUGLISI

Spiller Phone:
Notifier Phone: (718) 932-9075
Caller Phone: (718) 932-9075
Contact Person Phone: (718) 932-9075

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
11/11/1997		OTHER	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL		PETROLEUM	1.00	GALLONS	1.00	GALLONS	SOIL

Caller Remarks:

callers company was making a oil delivery and when they noticed that a pipe under the sidewalk was cracked they state small seepage was present no big leak but they are concerned it may get worse and they want to cover themselves they state the potential is present

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
CLEANED BY OIL COMPANY.

Map Identification Number 84 **VACANT BUILDING**
23 RENWICK STREET

NEW YORK, NY

Spill Number: 0507454

Close Date: 11/17/2005
TT-Id: 520A-0100-205

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1010 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: MARIA RAMIREZ
DEC Investigator: JMKRIMGO

Spiller: MR. VINCENT BRANA - VACANT BUILDING
Notifier Name: MARIA RAMIREZ
Caller Agency: GZA GOLDBERG ASSOC.
Contact for more spill info: VINCENT VERIANO

Spiller Phone: (201) 487-7740
Notifier Phone: (973) 256-7800
Caller Phone: (973) 256-7800
Contact Person Phone: (201) 487-7740

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended			
09/21/2005		OTHER	NO		NO			
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
GASOLINE		PETROLEUM	0	GALLONS	0	GALLONS	SOIL, GROUNDWATER	

Caller Remarks:

550 GALLON TANK AND FOUND IMPACTED SOIL AND ODORS WITH HIGH PID READINGS AND EXCAVATING

DEC Investigator Remarks:

Sangesland left a message with Maria Ramirez at GZA saying tank should be pulled and end point samples taken.

9/26/05.

J.Krimgold spoke to David Morris (GZA) a consultant for an RP. The tank was excavated and all contaminated soil was removed. Soil was excavated to the GW depth. They took post-excavation soil and GW samples. Will submit a final report in three weeks.

9/29/2005 CSL sent to:

Vincent Brana

80 Wesley St

South Hackensack, NJ 07606

10/21/05. J.Krimgold spoke to Stephen Kline (GZA) @ 212-594-8140. He stated that remediation has been completed and a final report have been sent to DEC yesterday.

10/25/05. J.Krimgold reviewed the Corrective Action Report submitted by GZA, Inc and dated October 2005. According to the report all contaminated soil was removed from the site and properly disposed of. Post-excavation samples show some SVOCs level marginally exceeds TAGM levels.

11/17/05. J.Krimgold reviewed the final Remedial Action Report submitted by GZA and dated November 11, 2005. According to the report the source of contamination was removed together with impacted soil. Initial GW contamination was reduced to levels below guidance values. NFA.

Map Identification Number 85 **HOLLAND TUNNEL/HUDSON RVR**
HOLLAND TUNNEL/HUDSON RVR

MANHATTAN, NY

Spill Number: 9504269

Close Date: 07/10/1995
TT-Id: 520A-0101-783

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (5)

Approximate distance from property: 1036 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Federal Government
Caller Name: R. RHODES
DEC Investigator: KSTANG

Spiller: UNKNOWN
Notifier Name:
Caller Agency: USCG
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 668-7920
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/10/1995	07/10/1995	UNKNOWN	UNKNOWN		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

LARGE SLICK IN RIVER - USCG WILL BE SENDING A BOAT TO HOLLAND TUNNEL TO INVESTIGATE AT 12:15 P.M. - CALLED BACK ON AT 13:20 P.M., OIL SHEEN DISIPATED, NO SOURCE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

Map Identification Number 86 **HOLLAND TUNNEL**
HOLLAND TUNNEL TO JERSEY

MANHATTAN, NY

Spill Number: 9303615

Close Date: 06/21/1993
TT-Id: 520A-0101-775

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 1036 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 10013

Source of Spill: UNKNOWN
Notifier Type: Federal Government
Caller Name: PO SEVERSON
DEC Investigator: MCTIBBE

Spiller: UNK
Notifier Name:
Caller Agency: USC
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 668-7913
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/19/1993	06/21/1993	UNKNOWN	UNKNOWN		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SURFACE WATER

 Caller Remarks:

HANDLED BY USCG.

 DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

10/10/95: This is additional information about material spilled from the translation of the old spill file: SHEEN.

Map Identification Number 87	AT EASTRAMIC OF HOLLAND T		Spill Number: 9302052	Close Date: 05/17/1993
	AT EASTRAMIC HOLLAND TUNN	MANHATTAN, NY		TT-Id: 520A-0101-774

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (5)

Approximate distance from property: 1036 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: AT EASTRAMIC OF HOLLAND TUNNEL

Revised zip code: 10013

Source of Spill: UNKNOWN	Spiller:	Spiller Phone:
Notifier Type: Local Agency	Notifier Name:	Notifier Phone:
Caller Name: MR. WATT	Caller Agency: NYC DEP	Caller Phone: (718) 595-6777
DEC Investigator: CAMMISA	Contact for more spill info:	Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/12/1993	05/17/1993	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

 Caller Remarks:

SPILL ON RDWAY PORT AUTHORITY DID CLEAN-UP.

 DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "S. CAMMISA"

Map Identification Number 88 **HUDSON RIVER/HOLLAND TUNN**
NO OF PIER/HOLLAND TUNNEL

NEW YORK CITY, NY

Spill Number: 8806682

Close Date: 11/09/1988
TT-Id: 520A-0101-777

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (5)

Approximate distance from property: 1036 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10013

Source of Spill: UNKNOWN
Notifier Type: Federal Government
Caller Name: P.O. HOTTENSTEIN
DEC Investigator: FINGER

Spiller: UNKNOWN
Notifier Name:
Caller Agency: USCG
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 668-7920
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
11/09/1988	11/09/1988	UNKNOWN	UNKNOWN		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SURFACE WATER

Caller Remarks:

1 MILE LONG X SEVERAL HUNDRED YDS WIDE, OIL SLICK NEAR CONSTRUCTION CRANE, USCG TO SEND SMALL BOAT TO INVESTIGATE, NRC NOTIFIED CENTRAL OFFICE.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 89 **WASHINGTON ST NEAR**
CANAL ST

MANHATTAN, NY

Spill Number: 0006423

Close Date: 06/04/2004
TT-Id: 520A-0102-325

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 1059 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: WASHINGTON ST

Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Affected Persons
 Caller Name: BILL MURPHY
 DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN
 Notifier Name: BILL MURPHY
 Caller Agency: CON EDISON
 Contact for more spill info: CALLER

Spiller Phone:
 Notifier Phone: (212) 580-6763
 Caller Phone: (212) 580-6763
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/30/2000		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

con ed # 133112 contractor (unk who) dug in area and damaged an electric feeder line con will start clean up an 50-499 ppm
 pcb

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 8/30/00

Met with Peter O'Brien. One ounce of dielectric fluid leaked onto concrete when contractor damaged feeder line. Emergency team is on site to make repairs. No affected sewers. (KMF)

~~~~~

e2mis no. 133112:

2 ounces of distribution dielectric fluid leaked from a damage distribution feeder in excavation. Spill went onto concrete slab. Diaper pad was placed under leak. This is a contractor damage. Spill did not go into soil. Clean up will be treated as 50 ppm to 499 ppm.

LAB.SEQ #00-8360 PCB <1 PPM.

06/05/03@14:40 - As per Joe Fleigner Clean up was completed and repair to feeder made.

**Map Identification Number 90**      **MANHOLE 28488**  
CANAL ST/WASHINGTON ST

MANHATTAN, NY

**Spill Number: 0002064****Close Date: 05/30/2001**  
TT-Id: 520A-0101-782

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1059 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Affected Persons

Caller Name: STEVEN ROMERO

DEC Investigator: JHOCONNE

Spiller: UNKNOWN

Notifier Name: RUSSO

Caller Agency: CON ED

Contact for more spill info: STEVEN ROMERO

Spiller Phone:

Notifier Phone:

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |  |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|--|
| 05/18/2000        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |  |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |  |
| UNKNOWN PETROLEUM | PETROLEUM           | 5.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |  |

## Caller Remarks:

ON 15 GALLONS OF WATER. CLEAN UP PENDING.

CON ED# 131483

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
DEC INSPECTOR'S NOTES

CON ED E2MIS REPORT 5-18-00

5gals. of unknown oil mixed with approx 15gals. of water in MH28488. No impact reported. PCB and oil ID samples were taken.

Lab Seq#00-04962; indicates the sample is similar to a light fuel oil.

PCB 3647ppm in MH28488

Cleanup type &gt;500

Solid amount: 3 barrels filled 7am-7pm 5/20

5 barrels filled 7pm-7am 5/20-21

On location total 8 barrels.

Cleanup info: All collected items are being removed by pail at this time. Cleanup to continue inot third shift Sunday morning. 8 barrels on location with sludge removed from manhole.

#### Intermediate Cleanup

1-55gal. drum containing 10 linear feet oil soaked asbestos

Vehicle type 2: Corporate transportation

Liquid amount : 110 gals. oil/water

Liq. vehicle type: Clena harbors tanker

Solid waste was removed to 55 gal. drums.

Removed 10 linear ft. Oil soaked asbestos. Cleanup complete pending PCb grid and wipe analysis.

Walls, floor and ceiling washed and rinsed four times using slix, power washer and tanker.

There is no sump in this structure.

Concrete floor showed signs of slight deterioration a crews scrubbed and power-washed.

Update 4-04-01

Clenaup scheduled for 20:00hrs and chemist scheduled for midnight to resample grid points 34 and#8

001 - sample 4 1260 <1.00

002 - sample 8 none <1.00

All grid samples passed. Manhole is cleaned and tag can be removed.

**Map Identification Number 91**      **YELLOW FREIGHT**  
149 LEROY ST

MANHATTAN, NY

**Spill Number: 0001838**

**Close Date: 01/12/2001**  
TT-Id: 520A-0091-113

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 1109 feet to the NNW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: Local Agency  
Caller Name: STEVEN SANGESLAND  
DEC Investigator: SMSANGES

Spiller: STEVE TRAVIS - YELLOW FREIGHT  
Notifier Name: ADVANCED CLEANUP TECH  
Caller Agency: REG 2 DEC  
Contact for more spill info: STEVE TRAVIS

Spiller Phone: (913) 344-3409  
Notifier Phone: (631) 293-4992  
Caller Phone: (718) 482-4933 ext. 7  
Contact Person Phone: (913) 344-3409

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 05/12/2000        |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

## Caller Remarks:

ACT INC. SUBMITTED A PHASE I AND PHASE II REPORT WHICH IDENTIFIES PETROLEUM AND METAL CONTAMINATION THRU OUT THE SITE. SEVERAL SOIL BORINGS AND WELLS WERE INSTALLED. SEVERAL SHOWING HIGH CONTAMINATION LEVELS.

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"  
1/12/2001

This spill number is associated with spill #9909631.

The two spill numbers together cover the full city block associated with this site.

This site was a former Yellow Freight trucking facility. It also has a history as: gas station, industrial manufacturing, smelting, overhead rail line, post office and several other uses.

In the 1800's the area was low marsh area which was built up (typical of much of the west side of Manhattan) with fill material (coal ash) and other non native fill material.

Owner of the site is:

Washington Street Associates, LLC (Mr. Gary Koehnken)

address: 352 Park Ave - Suite 702, New York, NY 10010

Attorney for the owner is:

Gail Port with Proskauer Rose LLP (212-969-3243)

address: 1585 Broadway, New York, NY 10036

Environmental Consultant:

Advanced Cleanup Technologies, Inc. (631-293-4992)

address: 117 Verdi Street, Farmingdale, NY 11735

During the course of 2000, a total of 17 buried tanks were found in 5 general locations around the site. Advanced Cleanup Technologies removed the tanks and excavated out any contamination found to the satisfaction of the DEC. In addition, a total of 3 groundwater monitoring wells were installed on the site and found to be clean.

On January 11, 2001 ACT submitted an "Underground Storage Tank and Spill Closure Report" which documents the excavation of the 17 tanks and associated petroleum contamination in the area.

Based on this report, the spill number associated with this site is closed.

Closure letter specifically says:

"the NYSDEC is in receipt of the spill closure report, prepared by Advanced Cleanup Technologies Inc. and dated January 11, 2001, for the referenced site. This information, when combined with the documentation already provided to the NYSDEC to close out spill number 9909631, provide a complete summary of the environmental conditions for the full city block under investigation. The historical petroleum contamination which was on the site has been satisfactorily remediated. Based on this information, no further investigation or response will be required concerning the petroleum contamination at this specific site."

NYSDEC rep - Tom Lang (Hazardous Wastes Department) added this:

"Based on the environmental investigatory information provided to the NYSDEC, there is no evidence of the presence of a consequential amount of hazardous waste on the site."



**Map Identification Number 92**      **BLOCK 594 LOT 56**  
243-257 HUDSON ST

MANHATTAN, NY

**Spill Number: 0401522**

**Close Date: 02/22/2007**  
TT-Id: 520A-0094-217

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 1133 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING  
Notifier Type: Other  
Caller Name: CRAIG PETERSON  
DEC Investigator: rmpiper

Spiller:  
Notifier Name: CRAIG PETERSON  
Caller Agency: LANGAN ENGINEERING  
Contact for more spill info: CRAIG PETERSON

Spiller Phone:  
Notifier Phone: (201) 794-6900  
Caller Phone: (201) 794-6900  
Contact Person Phone: (201) 794-6900

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 05/12/2004       |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| XYLENE (MIXED)   | HAZARDOUS MATERIAL  | 0                | POUNDS                  | 0                  | POUNDS              | SOIL                 |

**Caller Remarks:**

There was an exceedence in the soil sample at the above location. ethylbenzene @ 33 ppm, xylene @ 200 ppm. sample was collected in order to asses soil disposal options.

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"

7/15/04 - Sawyer - Received Remedial Investigation Report/Workplan from Craig Peterson at Langan Engineering.

10/29/04 - Sawyer - Received revised Remedial Action Work Plan.

12/12/05- DEC Piper spoke w/ Craig Peterson at Langan. "Work has begun". Langan will be sending remedial action report early 2006 (Jan.-Feb.)

4/5/06- DEC Piper left message for Craig requesting callback.

10/3/06- DEC Piper spoke w/ Marshall King of Langan Eng. He is submitting RAR for site.

2/22/07- DEC Piper reviewed report, as per report, slight exceedance of Toluene above RTAGM upgradient of site. Source removal has been completed and a vapor barrier was installed. Closed. See e-docs if warranted.

**Map Identification Number 93**      **IFO 596 CANAL ST**  
 IFO 596 CANAL ST

MANHATTAN, NY

**Spill Number: 9706439**

**Close Date: 10/24/2007**  
 TT-Id: 520A-0101-779

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (5)  
 Approximate distance from property: 1138 feet to the SW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: 10013

Source of Spill: UNKNOWN  
 Notifier Type: Other  
 Caller Name: JIM WEINGARTNER  
 DEC Investigator: qxabidi

Spiller: UNKNOWN  
 Notifier Name: JIM WEINGARTNER  
 Caller Agency: AKRF  
 Contact for more spill info: JIM WEINGARTNER

Spiller Phone:  
 Notifier Phone: (212) 340-9750  
 Caller Phone: (212) 340-9750  
 Contact Person Phone: (212) 340-9750

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |  |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|--|
| 08/27/1997       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |  |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |  |
| GASOLINE         | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |  |

Caller Remarks:

CALLER WAS DRILLING IN STREET AND FOUND SOIL CONTAMINATION - CALLER REPORTS THERE IS A GAS STATION ACROSS THE STREET FROM WORK SITE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"  
 4/12/04-Vought-Spill transferred from Tibbe to Rommel as per Rommel.

12/20/06: This spill is transferred from Mr. Koon Tang to Q.Abidi.  
 Called Ms. Maggy Douglas (Administrator) at (646)388-9530 and left message to call me back regarding information of spill. -QA

12/21/06: Recieved call from Mr. Axel (AKRF Consulting firm) (646)388-9529 he said he will find out the information of spill and he will call me back. -QA

03/05/07: Called Mr. Axel at (646)388-9529 left message to call me back regarding information of spill. -QA

04/03/07: Called AKRF Company at (914)949-7336 talked to Ms. Nancy (Office Manager of White Plains office) she said that someone will call me back regarding spill.  
 Mr. Marcus Simons (AKRF) (646)388-9527 called me back and said he will dig the data and he will call me back regarding the spill.

-QA

04/10/07: Mr. Axel from AKRF called me and said that they don't have any data regarding spill. They notified the spill to DEC. AKRF is caller also about this spill. When they were doing the drilling on the street, they found soil contamination. Caller also reported there is Gas Station across the street. Mr. Axel said he will send a letter to me regarding that. -QA

07/06/07: Mr. Axel from AKRF sent a letter on April 13, 2007. I called Mr. Axel and discussed regarding spill he said that no additional excavation or endpoint sampling have been conducted. -QA

09/14/07: I called Mr. Axel to discuss regarding excavation of the soil, waste Manifest Reports and waste characterization sample report. -QA

10/24/07: Checked with Mr. Axel (AKRF Environmental) there is not any waste manifest report and no waste characterization sample. Only they dug out the soil to put the pipe line. There is gasoline stations around the area that may be the source of soil contamination. No additional excavation or end point sampling have been taken. on the basis of the letter of Mr. Axel Schwendt, AKRF Environmental due to the age of spill AKRF is unable to confirm the exact nature of the drilling activities. By the approval of Jon Kolleeny (Supervisor) I closed this spill. -QA

**Map Identification Number 94**      **STREET**  
HUDSON ST/ MORTON ST

MANHATTON, NY

**Spill Number: 0805282****Close Date: 08/07/2008**

TT-Id: 520A-0220-483

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1224 feet to the NNE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: UNKNOWN

Source of Spill: PASSENGER VEHICLE

Notifier Type: Fire Department

Caller Name:

DEC Investigator: vszhune

Spiller: UNKNOWN

Notifier Name:

Caller Agency:

Contact for more spill info: BATALON 7

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (347) 539-0507

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |  |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|--|
| 08/06/2008       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |  |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |  |
| GASOLINE         | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SEWER                |  |

## Caller Remarks:

original call was odor of gasoline; found a car leaking gas; the 1 g spilled into sewer; what has not has been cleaned up

## DEC Investigator Remarks:

08/06/08-Zhune called Batallon 7, spoke to Fire Fighter Penner. He said car leaking, spill 1 galoon of gasoline. it seems driver put too much gas and the tank filled up. The fire department put Biosolve.  
Case Closed

**Map Identification Number 95**      **MOBIL SERVICE STATION**  
CANAL ST / WEST SIDE HWY

MANHATTAN, NY

**Spill Number: 8100234****Close Date: 11/30/1985**  
TT-Id: 520A-0094-863

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 1250 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Other  
Caller Name:  
DEC Investigator: UNASSIGNED

Spiller:  
Notifier Name:  
Caller Agency:  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone:

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |  |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|--|
|                  | 10/01/1985          | UNKNOWN          | UNKNOWN                 |                    | NO                  |                      |  |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |  |
| UNKNOWN MATERIAL | OTHER               | 0                | UNKNOWN                 | 0                  | UNKNOWN             | SOIL                 |  |

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was " "

**Map Identification Number 96**      **MOBIL SERVICE STATION**  
290 WEST STREET

NEW YORK, NY

**Spill Number: 0404085****Close Date: 01/30/2006**  
TT-Id: 520A-0091-533

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)  
Approximate distance from property: 1250 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

|                   |                |                              |                                       |                       |                |
|-------------------|----------------|------------------------------|---------------------------------------|-----------------------|----------------|
| Source of Spill:  | UNKNOWN        | Spiller:                     | FRANK MESSINA - MOBIL SERVICE STATION | Spiller Phone:        | (908) 730-2055 |
| Notifier Type:    | Citizen        | Notifier Name:               | BRENDAN MOONEY                        | Notifier Phone:       | (631) 285-6684 |
| Caller Name:      | BRENDAN MOONEY | Caller Agency:               | GEOLOGIC SERVICE CORPORAT             | Caller Phone:         | (631) 285-6684 |
| DEC Investigator: | DKHARRIN       | Contact for more spill info: | FRANK MESSINA                         | Contact Person Phone: | (908) 730-2055 |

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 07/16/2004 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units  | Quantity Recovered | Units  | Resource(s) Affected |
|------------------|----------------|------------------|--------|--------------------|--------|----------------------|
| GASOLINE         | PETROLEUM      | 0                | POUNDS | 0                  | POUNDS | SOIL                 |

Caller Remarks:

SAMPLING IN THE WELLS AND AT 0.04 FEET GASOLINE WAS FOUND IN THE WELL: BEING INVESTIGATED. CLEAN UP IS NOT BEING DONE AT THIS TIME.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "HARRINGTON"  
E-Mail sent to Dave Harrington to alert him to this spill event

1/30/2006: consolidated under spill no. 95-03897. (Harrington)

**Map Identification Number 97**      **STREET CORNER**  
500 CANAL STREET

MANHATTAN, NY

**Spill Number: 0408431**

**Close Date: 02/01/2005**  
TT-Id: 520A-0099-373

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 1315 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
Notifier Type: Other  
Caller Name: NELSON ABRAMAS  
DEC Investigator: TJDEMEO

Spiller: MIKE BULLOCK - STREET CORNER  
Notifier Name: NELSON ABRAMAS  
Caller Agency: MET CALT & EDDY  
Contact for more spill info: MIKE BULLOCK

Spiller Phone: (718) 391-1218  
Notifier Phone: (908) 947-0274  
Caller Phone: (908) 947-0274  
Contact Person Phone: (718) 391-1218

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 10/30/2004       |                     | OTHER          | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| #2 FUEL OIL      |                     | PETROLEUM      | 0                       | GALLONS | 0                   | GALLONS | GROUNDWATER          |

Caller Remarks:

DURING SOIL BORINGS FOR A SEWER LINE FOUND CONTAMNATED SOIL:

DEC Investigator Remarks:

11/1/04 - JZ (desk duty): Zhao spoke with Mr. Nelson Abramas, MetCalf & Eddy. The company was contracted by NYC DDC with a sewer line project along Greenwich Street. During Geoborings on side walk of 500 Canal Street, contaminated soil was discovered at the interface of soil/water about 12 feet below grade. It appears petroleum oil with strong odor. PID reading is 180 ppm. The lot is currently vacant. According to the database, 500 Canal Street had Gas Service business. Tanks were removed several years ago. No spills were ever reported before, during or after the tank removal. Unknown if site assessment had ever been conducted during tank closure. Further upgradient at 480 Canal Street has a 20,000 gallon #6 oil AG tank currently in service, this does not appear any threatening to subsurface impact. Zhao has requested Metcalf & Eddy or DDC to contact the DEC if samples are analysed. Contamination letter send to the current owner at 500 Canal Street:

Greenwich Triangle Number 1, LLC  
459 Washington Street  
New York, NY 10013

ATT: Mr. Fabian Friedland

2/1/05 TJD

Investigation summary report submitted by Flemming Lee Shue. Property owner @500 Canal Street was notified of their responsibility to conduct an investigation following the discovery of contaminated soil in street IFO address. As a result of DEC's directive the owner retained Flemming Lee Shue to perform the required investigation. A site inspection was performed and a soil gas survey was completed. No readings above background were found, therefore, no samples were collected or analyzed. In addition, Flemming Lee Shue provided endpoint sample analysis from the original tank excavation in 2000. No TAGM exceedances were identified in endpoint samples. No further action required by owner of 500 Canal Street. Spill closed.

Unknown source of contaminated soil in street.

**Map Identification Number 98**      **STATE PROJECT 9A**  
WEST ST & MORTON ST

MANHATTAN, NY

**Spill Number: 9707716**

**Close Date: 10/01/1997**  
TT-Id: 520A-0090-954

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1353 feet to the NNW

## ADDRESS CHANGE INFORMATION

Revised street: WEST ST / MORTON ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name: LISA LUKSHIDES

DEC Investigator: CAENGELH

Spiller: LISA LUKSHIDES - STATE PROJECT 9A

Notifier Name: LISA LUKSHIDES

Caller Agency: CON ED

Contact for more spill info: LISA LUKSHIDES

Spiller Phone: (212) 580-8383

Notifier Phone: (212) 580-8383

Caller Phone: (212) 580-8383

Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;HIGHLY IMPROBABLE

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |  |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|--|
| 09/30/1997        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |  |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |  |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |  |

## Caller Remarks:

SHEEN WAS DISCOVERED IN A 1 YARD AREA OF EXCAVATION SITE

CON ED CALL WITH UPDATE AT 18:57 SPILL IS AFFECTING MANHOLE # 51756 LOCATED AT THE NE CORNER OF MORTON ST AND WEST ST 10 GALLONS OF SLUDGE AND WATER IN MANHOLE WITH STRONG ODOR - MANHOLE HAVE BE DEMOLISHED DUE TO CONSTRUCTION

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"  
DEC INSPECTOR NOTES

9-30

Lisa Lokshides

Sewer project on westside, sheen is in excavation next to where Con Ed is working.

Con Ed is relocating gas main to accomadate municipal

**Map Identification Number 99**

6TH AVE/CHARLTON ST

MANHATTAN, NY

**Spill Number: 0109198****Close Date: 12/17/2001**

TT-Id: 520A-0099-343

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1423 feet to the ESE

## ADDRESS CHANGE INFORMATION

Revised street: AVENUE OF THE AMERICAS / CHARLTON ST

Revised zip code: 10014

Source of Spill: UNKNOWN  
Notifier Type: Local Agency  
Caller Name: ANDREW KELLY  
DEC Investigator: JMKRIMGO

Spiller: UNKNOWN  
Notifier Name: SAME  
Caller Agency: DEP  
Contact for more spill info: ANDREW KELLY

Spiller Phone:  
Notifier Phone:  
Caller Phone: (718) 595-4761  
Contact Person Phone: (718) 595-4761

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 12/17/2001       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN MATERIAL | OTHER               | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

## Caller Remarks:

CALLER HAS DISCOVERED POSSIBLE CONTAMINATED SOIL.

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"  
12/17/01. YK cannot confirm information. NFA

**Map Identification Number 100****34 MORTON AVENUE**  
34 MORTON AVENUE

MANHATTAN, NY

**Spill Number: 9411989****Close Date: 12/08/1994**

TT-Id: 520A-0093-171

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1439 feet to the NE

## ADDRESS CHANGE INFORMATION

Revised street: 34 MORTON ST

Revised zip code: 10014



Source of Spill: PRIVATE DWELLING  
Notifier Type: Responsible Party  
Caller Name: VENTURA PASION  
DEC Investigator: KSTANG

Spiller: PETRO  
Notifier Name:  
Caller Agency: PETRO ASTORIA  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone: (718) 545-4500  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 12/08/1994       | 12/08/1994          | OTHER          | UNKNOWN                 |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| #2 FUEL OIL      |                     | PETROLEUM      | 2.00                    | GALLONS | 0.00                | GALLONS | SOIL                 |

Caller Remarks:

BACK PRESSURE-SPILL CREW SEN T

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"

**Map Identification Number 101**      **6TH AVENUE / SPRING ST**  
6TH AVENUE / SPRING ST

MANHATTAN, NY

**Spill Number: 9908481**

**Close Date: 02/05/2004**  
TT-Id: 520A-0101-625

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 1490 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: AVENUE OF THE AMERICAS / SPRING ST  
Revised zip code: 10013

Source of Spill: UNKNOWN  
Notifier Type: Local Agency  
Caller Name: FRANK MASSERIA  
DEC Investigator: COMENALE

Spiller: UNKNOWN  
Notifier Name: MR BOZE  
Caller Agency: CON EDISON  
Contact for more spill info: FRANK MASSERIA

Spiller Phone:  
Notifier Phone: (212) 580-6763  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|-------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 10/12/1999        |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled  |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| UNKNOWN PETROLEUM |                     | PETROLEUM      | 1.00                    | GALLONS | 0.00                | GALLONS | SOIL                 |

## Caller Remarks:

spill is in 3 gallons of water in a manhole 46286 approx 16 oz they will test before cleanup con edison # unknown at this time

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 102** **ROADWAY**  
CANAL AT HUDSON ST

MANHATTAN, NY

**Spill Number: 9701459**

**Close Date: 05/02/1997**  
TT-Id: 520A-0102-383

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1518 feet to the S

## ADDRESS CHANGE INFORMATION

Revised street: CANAL ST / HUDSON ST

Revised zip code: 10013

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Affected Persons

Caller Name: HAL ROBERTS

DEC Investigator: KSTANG

Spiller: UNKNOWN - UNKNOWN

Notifier Name: HAL ROBERTS

Caller Agency: PORT AUTHORITY

Contact for more spill info: HAL ROBERTS

Spiller Phone:

Notifier Phone: (201) 714-7438

Caller Phone: (201) 714-7438

Contact Person Phone: (201) 714-7438

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 05/02/1997       |                     | OTHER          | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| GASOLINE         |                     | PETROLEUM      | 1.00                    | GALLONS | 1.00                | GALLONS | SOIL                 |

## Caller Remarks:

INFO RELAYED TO PORT AUTHORITY THAT A TRUCK HAD GAS SPILL OUT

OF TANK POSSIBLY FROM OVERFILL-SPILL HAS BEEN CLEANED UP FROM  
PAVEMENT

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"

**Map Identification Number 103**      **BUILD ING**  
38 LEEROY STREET

MANHATTAN, NY

**Spill Number: 0512136**

**Close Date: 01/24/2006**

TT-Id: 520A-0099-353

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1522 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: 38 LEROY ST

Revised zip code: 10014

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Other

Caller Name: ROSE GUIDO

DEC Investigator: SMSANGES

Spiller: VENDOM REALTY - BUILD ING

Notifier Name: ROSE GUIDO

Caller Agency: PETRO

Contact for more spill info: VENDOM REALTY

Spiller Phone: (718) 727-7660

Notifier Phone: (718) 628-3352

Caller Phone: (718) 628-3352

Contact Person Phone: (718) 727-7660

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

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| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 01/20/2006 |                     | OTHER          | NO                      | NO                  |

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| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #2 FUEL OIL      | PETROLEUM      | 15.00            | GALLONS | 0.00               | GALLONS | SOIL                 |

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Caller Remarks:

AFTER FILLING TANK THE NOZZEL BLEW OFF FITTING AND WENT ALL OVER DRIVER, AND GROUND, IN PROCESS OF CLEANING UP

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DEC Investigator Remarks:

4PM - Sangesland called Petro - Cleanup complete

**Map Identification Number 104**

WEST ST/WATT ST

MANHATTAN, NY

**Spill Number: 0005811****Close Date: 02/11/2004**

TT-Id: 520A-0099-341

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1533 feet to the SSW

**ADDRESS CHANGE INFORMATION**

Revised street: WEST ST/WATTS ST

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Affected Persons  
 Caller Name: TONY LOPEZ  
 DEC Investigator: JHOCONNE

Spiller: UNKNOWN  
 Notifier Name: MR BOSZE  
 Caller Agency: CON EDISON  
 Contact for more spill info: TONY LOPEZ

Spiller Phone:  
 Notifier Phone: (212) 338-3352  
 Caller Phone: (212) 580-6764  
 Contact Person Phone: (212) 580-6764

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 08/15/2000       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN MATERIAL | OTHER               | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

**Caller Remarks:**

SOIL CONTAMINATION DISCOVERED AT ABOVE LOCATION. SAMPLE OF SOIL

TO BE TAKEN AND CLEANUP IS PENDING RESULTS. CON ED # 132879.

NO CALL BACK REQUESTED.

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 8/16/00

Con Ed monitors (Okwuoha, Foley, O'Connell) responded to a report of contaminated soil found during excavation work by Con Ed along Rte 9A corridor project at West St and Watts St in Manhattan. Con Ed contractor was excavating to install a sewer connection for a new transformer vault when they came across visually contaminated soil. Material was limited in area, and appeared to be aged petroleum. Con Ed has no oil-filled equipment in area. There is a parking lot on one side of the street and a garage on the other side. Only stained soil was found- no free product. Con Ed was instructed to characterize any soils removed as part of their construction project. It appears that all of the contaminated soil was removed.

08/20/00 at 16:06 hrs lab-results 00-07834 aroclor &lt;1.00 ppm in sewer excavation soil loc.n/s watts st &amp; west st.

**Map Identification Number 105**     **JACK CAUFMAN**  
2 KING ST

MANHATTAN, NY

**Spill Number: 0200171**

**Close Date: 12/12/2003**  
TT-Id: 520A-0099-339

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 1547 feet to the E

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING

Notifier Type: Affected Persons

Caller Name: JACK CAUFMAN

DEC Investigator: MXTIPPLE

Spiller: UNKNOWN

Notifier Name: JACK CAUFMAN

Caller Agency: CITIZEN

Contact for more spill info: JACK CAUFMAN

Spiller Phone:

Notifier Phone: (212) 463-0470

Caller Phone: (212) 463-0470

Contact Person Phone: (212) 463-0470

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |  |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|--|
| 04/05/2002        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |  |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |  |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |  |

## Caller Remarks:

caller states he believes there is an oil spill in the basement of the apartment bldg - caller lives in apt 2a and can smell oil - would like a call from a dec rep

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"  
12/12/03 odor complaint not persistent

**Map Identification Number 106**     **HOLLAND TUNNEL**  
HUDSON STREET

NEW YORK, NY

**Spill Number: 9607106**

**Close Date: 06/15/2006**  
TT-Id: 520A-0101-621

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)  
Approximate distance from property: 1573 feet to the S

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: 10013

Source of Spill: COMMERCIAL VEHICLE  
 Notifier Type: Affected Persons  
 Caller Name: ANTHONY CARVAGNO  
 DEC Investigator: JHOCONNE

Spiller: UNKNOWN  
 Notifier Name: ANTHONY CARVAGNO  
 Caller Agency: PORT AUTHORITY  
 Contact for more spill info: CALLER

Spiller Phone:  
 Notifier Phone: (201) 714-7438  
 Caller Phone: (201) 714-7438  
 Contact Person Phone: (201) 714-7438

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 09/05/1996       |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| DIESEL           |                     | PETROLEUM      | 4.00                    | GALLONS | 4.00                | GALLONS | SOIL                 |

Caller Remarks:

truck passing through tunnel spilled approx 4 gallons of fuel. spill completely picked up.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"

**Map Identification Number 107**      **HOLLAND TUNNEL**  
 CANAL AND HUDSON

NEW YORK, NY

**Spill Number: 0807898**

**Close Date: 10/14/2008**  
 TT-Id: 520A-0222-440

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)  
 Approximate distance from property: 1573 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: CANAL / HUDSON  
 Revised zip code: UNKNOWN

Source of Spill: UNKNOWN  
 Notifier Type: Local Agency  
 Caller Name:  
 DEC Investigator: hrpatel

Spiller: DONNIE DAYS - VEHICLE UNKNOWN NAME AT THIS TIME  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: DONNIE DAYS

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (201) 360-5038

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 10/13/2008 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| MOTOR OIL        | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS |                      |

---

Caller Remarks:

0224 The caller advised dispatch a vehicle blew a seal and spilled 1 gallon of motor oil. The port authority cleaned up the spill with 5 bags of speedy dry. No water ways affected.

---

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 108**     **HUDSON AND CANAL STREET**     **Spill Number: 0705380**     **Close Date: 08/10/2007**  
                                          HUDSON AND CANAL STREET     NEW YORK, NY     TT-Id: 520A-0103-824

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 1573 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: HUDSON ST / CANAL ST  
 Revised zip code: UNKNOWN

|                                    |                              |                                      |
|------------------------------------|------------------------------|--------------------------------------|
| Source of Spill: PASSENGER VEHICLE | Spiller: UNKOWN;             | Spiller Phone:                       |
| Notifier Type: Affected Persons    | Notifier Name:               | Notifier Phone:                      |
| Caller Name:                       | Caller Agency:               | Caller Phone:                        |
| DEC Investigator: smsanges         | Contact for more spill info: | Contact Person Phone: (201) 360-5038 |

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

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| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 08/09/2007 |                     | OTHER          | NO                      | NO                  |

---

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| ANTIFREEZE       | OTHER          | 4.00             | GALLONS | 4.00               | GALLONS | SOIL                 |

---

Caller Remarks:

Disabled vehicle. Anitfreezed leak which was cleaned up.

---

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 109**      **DEANGELIS HOME**  
42 CARMINE STREET

NEW YORK, NY

**Spill Number: 0509843****Close Date: 11/17/2005**  
TT-Id: 520A-0095-667

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1621 feet to the ENE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING

Notifier Type: Other

Caller Name: MARIA MANDARINO

DEC Investigator: SMSANGES

Spiller: FREDRICK DEANGELIS - DEANGELIS HOME

Notifier Name: MARIA MANDARINO

Caller Agency: PAY LESS FUEL OIL

Contact for more spill info: FREDRICK DEANGELIS

Spiller Phone:

Notifier Phone: (718) 782-2060

Caller Phone: (718) 782-2060

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |  |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|--|
| 11/17/2005       |                     | OTHER            | YES                     |                    | NO                  |                      |  |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |  |
| #2 FUEL OIL      | PETROLEUM           | 2.00             | GALLONS                 | 2.00               | GALLONS             | SOIL                 |  |

## Caller Remarks:

CUSTOMER ORDERED OIL AND WHEN OIL COMPANY GOT THEIR , THEY WERE ALREADY FULL: IS CLEANED UP:

## DEC Investigator Remarks:

Sangesland spoke to Maria at Pay Less Fuel. She said it was a minor spill out the vent line, all has been cleaned up.

Property owner is Fredrick Deangelis (212-243-7430)

No answer with homeowner.

**Map Identification Number 110**      **MANHOLE 47359**  
WATTS ST AND VARICK ST

MANHATTAN, NY

**Spill Number: 9906160****Close Date: 12/20/1999**  
TT-Id: 520A-0090-176

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1627 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: WATTS ST / VARICK ST

Revised zip code: NO CHANGE



Source of Spill: UNKNOWN  
Notifier Type: Responsible Party  
Caller Name: JOE DEVOTI  
DEC Investigator: CAENGELH

Spiller: UNKNOWN  
Notifier Name: MR TIMMONS  
Caller Agency: CON EDISON  
Contact for more spill info: JOE DEVOTI

Spiller Phone:  
Notifier Phone: (212) 338-3352  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 08/24/1999        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

spill is on top of 10 gallons of water test will be done cleanup will be done pending lab results

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"  
DEC Inspector notes:

11/2299 -- email ERT's for info on spill cleanup

Con ed e2mis notes:

1 pint unknown fluid with 10 gallons water, no visual movement, no smoke, no running sump. Sewer connection as per conduit reports. Installed pads and pigs around sump.

Map Identification Number 111 VARICK STREET APPROACH OF  
HOLLAND TUNNEL

NEW YORK, NY

Spill Number: 0705716

Close Date: 08/20/2007  
TT-Id: 520A-0103-825

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)  
Approximate distance from property: 1627 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: UNKNOWN

Source of Spill: PASSENGER VEHICLE  
 Notifier Type: Local Agency  
 Caller Name:  
 DEC Investigator: smsanges

Spiller:  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone:

Spill Class: POSSIBLE RELEASE WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;NO CORR ACTION REQUIRED

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 08/17/2007       |                     | OTHER          | NO                      |         | NO                  |         |                      |
|                  |                     |                |                         |         |                     |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| ANTIFREEZE       |                     | OTHER          | 1.00                    | GALLONS | 1.00                | GALLONS | SOIL                 |

Caller Remarks:

Car overheated. all cleaned up

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 112**     **VARICK ST-DIESEL DRUM**  
 VARICK STREET/WATTS

MANHATTAN, NY

**Spill Number: 0508301**

**Close Date: 10/14/2005**  
 TT-Id: 520A-0100-204

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1627 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: VARICK ST / WATTS ST

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Other  
 Caller Name: PETE WILLIAMSON  
 DEC Investigator: SFRAHMAN

Spiller: PETE WILLIAMSON  
 Notifier Name: PETE WILLIAMSON  
 Caller Agency: NYS DEP  
 Contact for more spill info: PETE WILLIAMSON

Spiller Phone: (347) 386-6411 ext. C  
 Notifier Phone: (718) 595-4673  
 Caller Phone: (718) 595-4673  
 Contact Person Phone: (347) 386-6411 ext. C

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 10/12/2005 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| DIESEL           | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

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 Caller Remarks:

1-55 GALLON DRUM

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 DEC Investigator Remarks:

10.14.05 -Sharif// Steve Sanglesland hunted down the owner of the Bus Company, inspired them to pick up. They pumped out those drums.NFA required.

**Map Identification Number 113**    **MH 49437**  
WATTS AND VARICK ST

MANHATTAN, NY

**Spill Number: 0004966**

**Close Date: 10/23/2001**  
TT-Id: 520A-0094-208

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 1627 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: WATTS ST / VARICK ST  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: RICHARD ROACH  
DEC Investigator: JHOCONNE

Spiller: UNKNOWN  
Notifier Name: BOZE  
Caller Agency: CON EDISON  
Contact for more spill info: CALLER

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 580-6763  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

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| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 07/26/2000 |                     | UNKNOWN        | NO                      | NO                  |

---

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

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 Caller Remarks:

132565

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 DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
Con Ed e2mis Notes:

7/26/00 10oz cable oil floating on top of 40gal water in manhole. Sump not visible. No sewer connection as per conduit plate.  
Source of spill possible cable ends. PCB and ID sample taken. PCB count is <1ppm. ID is similar to lubricating fluid. Removed  
250gal oil/water to tanker. Used flush truck and slix to clean and rinse hole. No sump.

**Map Identification Number 114**      **MANHOLE #47359**  
VARICK & WATT ST

MANHATTAN, NY

**Spill Number: 0004962**

**Close Date: 10/23/2001**  
TT-Id: 520A-0101-626

#### MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 1627 feet to the SSE

#### ADDRESS CHANGE INFORMATION

Revised street: VARICK / WATT ST  
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: RICHARD ROACH  
DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN  
Notifier Name: BOSEZ  
Caller Agency: CON EDISON  
Contact for more spill info: CALLER

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 580-6763  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 07/26/2000        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

#### Caller Remarks:

10 OZ OF UNK OIL ON 10 GLS OF WATER. CLEANUP WILL BEGIN AFTER TEST RESULTS. CON ED #132562.

#### DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
Con Ed e2mis Notes:

7/26/00 10oz unknown oil floating on top of 10gal water in manhole. Sump is visible. Sump has sewer connection as per conduit plate. PCB and ID samples taken and returned as dielectirc fluid and <1ppm. Cleanup completed with degreaser and flushed.  
<50ppm tanker removed all liquids. No sump.

**Map Identification Number 115**     **MANHOLE 346277**  
140 6TH AVE

MANHATTAN, NY

**Spill Number: 9910670**

**Close Date: 02/06/2004**  
TT-Id: 520A-0094-224

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 1644 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: MARK SCHLAGEL  
DEC Investigator: COMENALE

Spiller: UNKNOWN  
Notifier Name: SAME  
Caller Agency: CON EDISON  
Contact for more spill info: MARK SCHLAGEL

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 12/07/1999       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| OTHER            | OTHER               | 3.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |
| OTHER PETROLEUM  | UNKNOWN             | 3.00             | GALLONS                 | 0.00               | GALLONS             |                      |

## Caller Remarks:

THEY HAVE A 3GALLON UNKNOWN TYPE OIL SPILLED INTO THIER MANHOLE CLEANUP PENDING LAB RESULTS.CON ED#129218.

60 GALLONS OF WATER WAS IN THE MANHOLE ALSO.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 116**     **MOBIL S/S #17-AML**  
140-52 6TH AVE

MANHATTAN, NY

**Spill Number: 0412443**

**Close Date: 10/18/2005**  
TT-Id: 520A-0094-220

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 1644 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION  
Notifier Type: Other  
Caller Name: BRENDAN MOONEY  
DEC Investigator: DKHARRIN

Spiller: FRANK MESSINA - EXXON MOBIL CORP  
Notifier Name: BRENDAN MOONEY  
Caller Agency: GEOLOGIC SERVICE CORPORAT  
Contact for more spill info: FRANK MESSINA

Spiller Phone: (908) 730-2055  
Notifier Phone: (631) 285-6684  
Caller Phone: (631) 285-6684  
Contact Person Phone: (908) 730-2055

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 02/23/2005       |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| GASOLINE         | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL, GROUNDWATER    |

Caller Remarks:

from liquid petro in two monitoring wells: product is being vacced out:

DEC Investigator Remarks:

10/18/2005: Site remediation is being tracked under spill no. 92-07631. (Harrington)

Map Identification Number 117 MOBIL S/S #17-AML  
140-52 6TH AVE

NEW YORK, NY

Spill Number: 0411106

Close Date: 10/18/2005  
TT-Id: 520A-0094-219

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 1644 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION  
Notifier Type: Other  
Caller Name: BRENDAN MOONEY  
DEC Investigator: DKHARRIN

Spiller: FRANK MESSINA - EXXON MOBIL CORP  
Notifier Name: BRENDAN MOONEY  
Caller Agency: GEOLOGIC SERVICE CORPORAT  
Contact for more spill info: FRANK MESSINA

Spiller Phone: (908) 730-2055  
Notifier Phone: (631) 285-6684  
Caller Phone: (631) 285-6684  
Contact Person Phone: (908) 730-2055

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 01/13/2005       |                     | OTHER          | NO                      |         | NO                  |         |                      |
|                  |                     |                |                         |         |                     |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| GASOLINE         |                     | PETROLEUM      | 0                       | GALLONS | 0                   | GALLONS | SOIL, GROUNDWATER    |

## Caller Remarks:

APX. 3 INCHES OF GASOLINE, DETECTED FLOATING IN MONITORING WELL: GASOLINE WILL BE VACED WITH A VAC TRUCK:

## DEC Investigator Remarks:

10/18/2005: Site remediation being tracked under spill no. 92-07631. (Harrington)

**Map Identification Number 118**    **MOBIL 17-AML**  
140-52 6TH AVE

NEW YORK, NY

**Spill Number: 0401621****Close Date: 10/18/2005**

TT-Id: 520A-0094-225

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1644 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION

Notifier Type: Other

Caller Name: BRENDAN MOONEY

DEC Investigator: DKHARRIN

Spiller: FRANK MESSINA - EXXON MOBIL CORP

Notifier Name: BRENDAN MOONEY

Caller Agency: EXXON MOBIL

Contact for more spill info: FRANK MESSINA

Spiller Phone: (908) 730-2055

Notifier Phone: (631) 285-6684

Caller Phone: (631) 285-6684

Contact Person Phone: (908) 730-2055

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |        | Penalty Recommended |        |                      |
|------------------|---------------------|----------------|-------------------------|--------|---------------------|--------|----------------------|
| 05/14/2004       |                     | OTHER          | NO                      |        | NO                  |        |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units  | Quantity Recovered  | Units  | Resource(s) Affected |
| GASOLINE         |                     | PETROLEUM      | 0                       | POUNDS | 0                   | POUNDS | SOIL, GROUNDWATER    |

-----  
Caller Remarks:sheen of product detected in the onsite monitoring well  
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## DEC Investigator Remarks:

10/18/2005: Site remediation being tracked under spill no. 92-07631. (Harrington)

**Map Identification Number 119**      **REAR YARD OF 26 COMMERCE ST**  
26 COMMERCE STREET

NEW YORK, NY

**Spill Number: 0708798****Close Date: 02/22/2008**  
TT-Id: 520A-0211-131

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1725 feet to the NE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING

Notifier Type: Other

Caller Name:

DEC Investigator: SFRAHMAN

Spiller: ATTY CAROL BUELL

Notifier Name:

Caller Agency:

Contact for more spill info: ATTORNEY CAROL BUELL

Spiller Phone: (212) 967-5710

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 967-5710

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN  
-----

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 11/13/2007 |                     | OTHER          | NO                      | NO                  |

  
-----

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #2 FUEL OIL      | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

  
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## TANK TEST INFORMATION

| Tank Number | Tank Size | Tank Test Method | Leak Rate | Gross Leak or Failure |
|-------------|-----------|------------------|-----------|-----------------------|
|             |           | Unknown          | 0.00      | UNKNOWN               |

  
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## Caller Remarks:

SOIL CONTAMINATION : NOT SURE IF A 275 GALLON OR 550 GALLON TANK:  
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## DEC Investigator Remarks:

Sangesland has left 2 voice mails with Debbie Brown at GC Environmental.  
Asking for status of the cleanup.

Attorney Carol Buell (attorney for seller). Seller hired GC Environmental to inspect a buried tank that was closed out several years ago.

GC Environmental Says the old buried oil tank in the back yard was closed out properly.

Fill line for this old tank ran from the front of the house (fill port) along the ceiling of the basement and out the back of the house to the former buried tank. There was a problem with this pipe in the backyard that leaked and caused soil contamination. Unknown how deep the contamination is.

11/26/07 Spoke with Debbie Brown and requested her to send DEC a report on the status of this site.(SR)

1/8/08 - Raphael Ketani. Debbie Brown of GC Environmental called inquiring as to which city and state agencies needed to be notified before the investigation begins. She said the tank is 275 gals. I told her that since the building is already residential, then only DEC needed to be notified. She said that GC will start the investigation work tomorrow, but will discuss the work with Mr. Rahman, the DEC case manager.

02/22/08 Closure report from G.C. Environmental, Inc. Pictures of abandoned valve box, restored rear wall,, new stairwell, soil excavation at the rear stairwell, rear stained wall, were provided. G.C Environmental claimed that all contaminated soil originated from the leaking fill line was excavated. End point soil sample indicated low level of vocs/svocs. All fill, vent piping were removed, valve box was abandoned by filling it with concrete. Rear interior wall was cleaned and was painted with epoxy paint. Contaminated soil in the rear stairwell of the building was excavated to a depth of 9 feet below grade. A total of approx. 90 cubic feet of contaminated soil were excavated. In the rear stairwell of the building, fill line was buried under the center step landing between the basement wall and the external wall of the stairwell, fill line was leaking. The fill and vent pipes were hand excavated in the backyard to their end point, discovering an UST abandoned with dirt, oriented north-south. Investigation both visual and olfactory around the tank came back negative. Spill closed.(sr)

**Map Identification Number 120**

131 SULLIVAN ST

MANHATTAN, NY

**Spill Number: 0109868****Close Date: 12/08/2003**

TT-Id: 520A-0099-357

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1830 feet to the ESE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: FREDERICK CAPUDO

DEC Investigator: TJDEMEO

Spiller: 131 SULLIVAN MANAGEMENT

Notifier Name: DRIVER

Caller Agency: BAYSIDE FUEL

Contact for more spill info: 131 SULLIVAN MANAGEMENT

Spiller Phone: (718) 389-6670

Notifier Phone:

Caller Phone: (718) 946-4000

Contact Person Phone: (718) 389-6670

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 01/12/2002       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #2 FUEL OIL      | PETROLEUM           | 8.00             | GALLONS                 | 8.00               | GALLONS             | SOIL                 |

Caller Remarks:

unknown what caused the spill it came out of the vent pipe driver cleaned up and crew is on the way to pick up the debris

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"  
12/8/03 TJD

Tank overflow. All product spilled to concrete. Absorbents used for clean-up. No further action required. Spill closed.

**Map Identification Number 121**     **196 BLEECKER ST**  
196 BLEECKER STREET

NEW YORK, NY

**Spill Number: 9402808**

**Close Date: 05/26/1994**  
TT-Id: 520A-0099-354

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 1901 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
Notifier Type: Other  
Caller Name: PETER LEPORE  
DEC Investigator: CAMMISA

Spiller: UNKNOWN  
Notifier Name:  
Caller Agency: WHALECO OIL CO  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone: (718) 852-7000  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 05/26/1994 | 05/26/1994          | OTHER          | UNKNOWN                 |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units  | Quantity Recovered | Units  | Resource(s) Affected |
|------------------|----------------|------------------|--------|--------------------|--------|----------------------|
| #2 FUEL OIL      | PETROLEUM      | 1.00             | POUNDS | 0.00               | POUNDS | SOIL                 |

Caller Remarks:

OVER ORDERED- SPEEDY DRY USED

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 122**    **BETW BLEECKER & HOUSTON**    **Spill Number: 8804185**    **Close Date: 08/11/1988**  
83-85 MACDOUGAL ST    NEW YORK, NY    TT-Id: 520A-0093-764

#### MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1903 feet to the ENE

#### ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

|                            |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Source of Spill: UNKNOWN   | Spiller: UNK                 | Spiller Phone:               |
| Notifier Type: Citizen     | Notifier Name:               | Notifier Phone:              |
| Caller Name: WAYNE WERTZ   | Caller Agency: USCG          | Caller Phone: (212) 668-7936 |
| DEC Investigator: RWAUSTIN | Contact for more spill info: | Contact Person Phone:        |

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 08/11/1988 | 08/11/1988          | UNKNOWN        | UNKNOWN                 | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | -1.00            | GALLONS | 0.00               | GALLONS | AIR                  |

Caller Remarks:

IT WAS CALLED IN REPUTEDLY TO CITY W/NO RESULTS. DUE TO ANONYMITY OF COMPLAINANT, UNABLE TO FOLLOW UP ON DETAILS OF COMPLAINT TO TAKE ACTION.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AUSTIN"

10/10/95: This is additional information about material spilled from the translation of the old spill file: HEAVY BLACK SMOKE.

**Map Identification Number 123 MH 37285**  
HUDSON ST & VESTRY ST

MANHATTAN, NY

**Spill Number: 9906109**

**Close Date: 02/03/2004**  
TT-Id: 520A-0091-057

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1905 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: HUDSON ST / VESTRY ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: JOE DEVOTI

DEC Investigator: JHOCONNE

Spiller: CON EDISON

Notifier Name: MR. RUSSO

Caller Agency: CON EDISON

Contact for more spill info:

Spiller Phone: (212) 580-6763

Notifier Phone: (212) 338-3352

Caller Phone: (212) 580-6763

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 08/23/1999        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 2.00             | GALLONS                 | 2.00               | GALLONS             | SOIL                 |

**Caller Remarks:**

MANHOLE 37285. TWO GALLONS OF UNKNOWN OIL ON 200 GALLONS OF WATER. SAMPLES TAKEN. CLEAN UP PENDING TEST RESULTS. CON EDISON REFERENCE NUMBER 127357.

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
e2mis no. 127257:

APPROX. 2 GALLONS OF AN UNKNOWN OIL AND APPROX. 200 GALLONS OF WATER IN A MANHOLE. MAPS SHOW NO SEWER CONNECTIONS. CLEANUP IS PENDING TEST RESULTS.

Lab analysis SA99-08789 = 5 PPM

8/24/99 05:00 hrs clean up complete in MH 37285. Removed 350 gals. oil/Water to <50 tanke. Used flush truck & slix to clean & rinse structure. The sump in this structure has a concrete bottom.

**Map Identification Number 124**      **MANHOLE #37285**  
VESTRY ST/HUDSON ST

MANHATTAN, NY

**Spill Number: 0003916****Close Date: 04/09/2004**  
TT-Id: 520A-0090-061

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1905 feet to the S

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: MARK SCHLAGEL

DEC Investigator: JHOCONNE

Spiller: UNKNOWN

Notifier Name: MR RUSSO

Caller Agency: CON EDISON

Contact for more spill info: MARK SCHLAGEL

Spiller Phone:

Notifier Phone: (212) 580-6763

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 06/30/2000        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

## Caller Remarks:

CON ED SPILL #132118 / WORKERS FOUND 1 QT OF OIL FLOATING ON WATER IN THE ABOVE MANHOLE - CLEANUP PENDING TEST RESULTS

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
e2mis no. 132118:

approx 1 pint of an unknown oil mixed with approx. 200 gallons of water in Mh-37285. There is no sump or sewer connections as per conduit map 10-G-4. Cleanup is pending test results.

Lab Seq# 00-06343 PCB 2 ppm

Date: 7/26/00

Time: 1400

Cleanup Info: &lt;50 Tanker removed liquids and then structure was cleaned with degreaser and flushed, tag removed.

**Map Identification Number 125**      **SERVICE BX 51689**  
IFO 265 WEST ST

MANHATTAN, NY

**Spill Number: 9608640****Close Date: 10/15/1996**  
TT-Id: 520A-0093-196

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1920 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: 265 WEST ST

Revised zip code: 10013

Source of Spill: UNKNOWN  
Notifier Type: Other  
Caller Name: STEVE ROMERO  
DEC Investigator: CAENGELH

Spiller: UNK  
Notifier Name: STEVE ROMERO  
Caller Agency: CON ED  
Contact for more spill info:

Spiller Phone:  
Notifier Phone: (212) 580-6763  
Caller Phone: (212) 580-6763  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/10/1996       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| ANTIFREEZE       | OTHER               | 1.00             | GALLONS                 | 1.00               | GALLONS             | SOIL                 |

## Caller Remarks:

material found in service bx unknown where it came from

clean up complete at 16:45

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"

**Map Identification Number 126**      **ABANDONED GAS STATION**  
415 WASHINGTON ST/LEIGHT

NEW YORK, NY

**Spill Number: 0604319****Close Date: 07/19/2006**  
TT-Id: 520A-0090-577

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1976 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: 415 WASHINGTON ST

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION  
Notifier Type: Affected Persons  
Caller Name:  
DEC Investigator: SFRAHMAN

Spiller: MARK STERN - ABANDONED GAS STATION  
Notifier Name:  
Caller Agency:  
Contact for more spill info: MARK STERN

Spiller Phone: (917) 543-3449  
Notifier Phone:  
Caller Phone:  
Contact Person Phone: (917) 543-3449

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 07/18/2006       |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| GASOLINE         | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

Caller Remarks:

CALLER REPORTS THAT CREW IS REMOVING GAS TANKS FROM ABANDONED GAS STATION: THEY ARE CUTTING OLD TANKS IN HALF. ODOR IS IN AIR FROM GASOLINE: RESIDUE FROM TANKS IS BEING SPILLED ON GROUND AREA: THERE WAS AN SMALL EXPLOSION FROM ONE OF THE TANKS: FIRE DEPT. IS IN ROUTE TO SITE

DEC Investigator Remarks:

07/19/06 Rahman-FDNY Engine 10(212.570.4210) responded to the site. I spoke with Lt. Jason Goldsmith of Engine 10, who indicated absence of odor, spill at the site.He informed me there were three tanks at the site and they were investigating the tanks condition. Apparently the tanks were dry.  
Cross reference to Spill#0505263.

Map Identification Number 127      **PARKING LOT**  
415 WASHINGTON ST/LEIGHT

MANHATTAN, NY

Spill Number: 0601769

Close Date: 05/19/2006  
TT-Id: 520A-0090-568

MAP LOCATION INFORMATION  
Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 1976 feet to the SSW

ADDRESS CHANGE INFORMATION  
Revised street: 415 WASHINGTON ST  
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION  
Notifier Type: Local Agency  
Caller Name:  
DEC Investigator: JBVOUGHT

Spiller: UNKNOWN - UNKNOWN  
Notifier Name:  
Caller Agency:  
Contact for more spill info: KAROLE DESARM

Spiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone: (212) 925-0199

| Spill Date        | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|-------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 05/17/2006        |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled  |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| UNKNOWN PETROLEUM |                     | PETROLEUM      | 0                       | GALLONS | 0                   | GALLONS | AIR                  |

Caller Remarks:

PIPES ARE STICKING UP OUT OF THE GROUNDS .THIS AN OLD GAS STATION. THERE IS A GAS ODOR SEEPING OUT DUE TO RAIN. UNKOWN IF THERE IS A SPILL. CLEAN UP IS UNKNOWN.

DEC Investigator Remarks:

05/18/06-Vought-Off hours duty responder. Vought called contact on PBS (Kenneth Fishel 212-477-3164) and no answer. Vought called caller who wishes to remain anonymous and as per her, developer bought parking lot and excavation of property has begun. FDNY and NYCDOB onsite previously in response to residential complaints. Vought received paperwork from caller that included Stipulation Agreement from DEC Rui Feng (see spill #0505263). Vought called Shary Laskowitz, attorney for the tenant (212-736-4500). Laskowitz does not have access as agreement current fight with owner and she is not in possession as tenant. Current owner is Atlantic Block and she has no contact information. Tenant is Jordan Parking who does not have access to site. Vought called Kenneth Fishel and he is no longer managing agent for building. DEC requires: 1)updating of PBS registration. Vought called CES Environmental Services (Francis Fonaca 732-500-7465). As per Francis Fronaca and DEP was onsite yesterday and USTs were abandoned in place, USTs discovered during excavation. PBS registration will be sent in once tanks are exposed and tank information can be found. Phone number for owner (Rocco or Jacko Basile 212-965-9300). Vought called Rocco and he agreed to access and said to call him back with any issues.

05/18/06-Vought-Site visit by Vought. Parking lift elevators present on site and also observed was approximate 50'x15' excavation. Slight gasoline odor in bottom of excavation (excavation approximately 3' deep). Piping observed in excavation but undeterminable if piping was from former UST system. No vents, former pump islands or remote fills were found. Entire lot repaved with asphalt. Soil in excavation composed of urban fill (brick, coal, coal ash). No odors were detected at street level. Vought called Rocco Basile and required that excavation be covered with plastic. Vought suggested to DEC Feng that Community Air Monitoring Plan be implemented during excavation to prevent further odor complaints. Vought called DeSarm and left message with results of site visit and to contact DEC Feng with further issues. Spill closed by Vought and referred to open spill #0505263.



**Map Identification Number 128**      **415 WASHINGTON ST - MISC**  
415 WASHINGTON ST

MANHATTAN, NY

**Spill Number: 0505263**

**Close Date: 06/09/2008**  
TT-Id: 520A-0091-628

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1976 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Local Agency  
Caller Name: RACHEL ATAMAN  
DEC Investigator: rjfeng

Spiller: UNKNOWN  
Notifier Name: RACHEL ATAMAN  
Caller Agency: HYDRO TECH ENVIRON.  
Contact for more spill info:

Spiller Phone:  
Notifier Phone: (631) 462-5866  
Caller Phone: (631) 462-5866  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 07/30/2005        | 06/19/2006          | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

## DEC Investigator Remarks:

08.02.05 SR..Spoke with Rachel Ataman. They came across SVOC's while doing soil probes at that facilities. Will send DEC the report and propety owners info.

8/12/2005 CSL sent to:

Jack Lefkowitz  
Washington HJ, LLC  
1524 52nd Street  
Brooklyn, NY 11219

10.03.05 SR// SVOC's level are pretty high and the site is a historic gas station. I suggested Rachel Ataman to go for further delineation of the ground water and soil in respect to MTBE, Specifically, instalation of one bedrock monitoring well at least is necessary since the site is a historic gas station.

12/20/05-Sharif// Case was transferred from Rahman to Koon Tang for reassignment.

1/3/2005 - Feng - VOCs and SVOCs found in SP-5 are extremely high. DEC Rahman has requested the groundwater samples and monitoring well through the bedrock on 10/3/2005. SIR pending.

Contacted Yasemin Kacar (Hydro Tech Environmental) and she would check the status of the site and call back.

4/13/2006 - Feng - Daniell Dunn from IVI Diligent Service (914-694-9600, fax 914-694-8549) called and requested FOIL because she doesn't have any information on this spill. Received FOIL application and gave to Robert Leung. (RJF)

5/8/2006 - Feng - Call from Francis Fonaca, CES Environmental Services. (office: 732-257-2091, cell: 732-500-7465). CES will perform soil excavation and then collect soil samples. Groundwater samples might be collected via air rotary. Will submit the report after the job is done. (RJF)

5/10/2006 - Feng - Received Site Assessment report from Gary Dent, 1st Bank of Beverly Hills (818-223-8447).

5/11/2006 - Feng - Call from Francis Onega, soil excavation will start tomorrow, 5/12/2006, PID will be utilized and probably more than 10 soil samples will be taken. I told him that before any excavation, all the underground utilities must be marked out. Report will be submitted after the work is done. (RJF)

5/12/2006 - Feng - Call from Ms. Robynice (RP's lawyer) explaining that during the soil removal process, polices came to stop the excavation. She requested Stipulation Agreement.

5/15/2006 - Feng - Emailed a copy of STIP to Francis Onega (CES) as per their request. His technician will come to pick up tomorrow morning and deliver to the RP. (RJF)

5/16/2006 - Feng - Charles Onwudinjo came to pick up the STIP. (RJF)

5/16/2006 - Feng - Shary Laskowitz, attorney for the tenant (212-736-4500) saying that the tenant of the parking lot owns the hydraulic lifts. Both of the property owner and tenant are fighting in court. I explained we won't get involve in this and we might wait for them to settle this case. (RJF)

5/17/2006 - Feng - Refer to Attorney, John Urda and he spoke to Shary Laskowitz. The owner and the tenant are fighting in court right now. Remediation will be on hold until the final disposition from court (might take a couple weeks). (RJF)

05/18/06-Vought-See also spill #0601769 at same location.

5/18/2006 - Feng - Spoke to Francis Onega and require him to stop any further work onsite.

5/19/2006 - Feng - Residential complain about petroleum odor associated with the excavation. DEC Joe Sun called Francis Onega and Rocco Basile required: 1) Stop further excavation, 2) Cover the excavation and the stock pile soil with plastic sheet. 3) Submit Community Air Monitoring Plan immediately. 4) Register the USTs found during excavation with DEC. (RJF)

5/19/2006 - Feng - DEC Koon Tang, Joe Sun and Jun Feng Contacted Alyssa Ziegler of Assemblywoman Deborah Glick Office with updates of the site.

5/22/2006 - Feng - Meeting with Rocco Basile (property owner) and Francis Onega (his consultant). DEC required: 1) dispose the stockpiled soil ASAP. 2) submit workplan included Community Air Monitoring Plan (CAMP).

5/23/2006 - Feng - DEC Koon Tang, Joe Sun and Jun Feng Contacted Alyssa Ziegler of Assemblywoman Deborah Glick Office with updates of the site.

5/25/2006 - Feng - Workplan, dated 5/22/2006 submitted by CES. The entire property will be excavated down to 8'-10'. The USTs will be registered upon discovered. The excavation will be left opened and covered with 6 mil plastic sheet pending the soil samples analyticals. 10 soil endpoint samples will be taken for post-excavation. 4 Groundwater samples will be collected prior excavation.

Community Air Monitoring Plan. The CAMP will be implemented during any work onsite in accordance with the DOH guidance.

Discussed with DEC Joe Sun and Approved CAMP and workplan with some conditions. 1) DEC required complete groundwater delineation before any further excavation, submit site plan of sampling location before any drilling and a report will be submitted for review and approval. 2) After the completion of soil excavation, the excavation will be covered at all time when there is no construction. DEC also recommended drill for groundwater samples after the stockpiled disposed off site because currently the stockpiled soil occupied 1/3 of the property, the lifts occupied 1/3 of the property and the excavation the rest of 1/3. (RJF)

6/8/2006 - Feng - Sent letter of notice of violation and Stipulation Agreement with modified CAP to Rocco Basile. cc to CES. STIP due 6/21/2006. (RJF)

6/19/2006 - Feng - STIP executed by Lou Oliva. (RJF)

6/20/2006 - Feng - Meeting with Rocco Basile and Francis Onaga. Site excavation and stockpiled soil will be removed tomorrow. A fact sheet will be sent from DEC if anyone interested or concerned. Fact sheet copy to Francis Onaga. (RJF)

6/21/2006 - Feng - DEC Jun Feng and Joe Sun visited the site, 10:30am to 11:30am. A backhoe was there, and 6 trucks were loading the soil off site. DEC staff didn't smell any gasoline. Air monitoring conducted every half hour and during work. The PID didn't detect any VOCs at street level nor in the bottom of the excavation (3'-4' bg). The highest level of dust the particulates detector has been detected is 80 mcg/m3. Water is ready to suppress the dust onsite. DEC required daily written briefing about the work onsite to be submitted.

6/22/2006 - Feng - Daily Status Report from CES, dated 6/21/2006. Work hours from 7:30am to 3:30pm. Total of 480 tons (16 load) of contaminated soil was trucked off-site for disposal. The truck was properly covered before leaving the site. An abandoned UST fuel oil (275 gallon) was discovered at the north east corner of the site. The tank was cut open, cleaned and filled with sand upon excavation. The tank is staged onsite for disposal at a scrap metal yard. CAMP has implemented. No detectable or high readings were noted on VOCs or dust. Excavation and soil removal will be continued tomorrow. (RJF)

6/23/2006 - Feng - Daily Status Report from CES, dated 6/22/2006. Work hours from 7:00am to 2:30pm. Total 40 loads (1,000 tons) of contaminated soil was trucked offsite. Two 550-gallon USTs were discovered at the source area. The discovered tanks were encased in concrete. USTs will be removed on 6/23/2006. Again, CAMP implemented and no detectable VOCs, and low dust level detected. An official of the NYCDOB was onsite and had the excavation stopped in order to install shoring at the four corner of the excavation. No further excavation will be done until DOB allow to. (RJF)

10/13/2006 - Feng - Updates. Began October 2006, DEC was informed by the consultant that the NYCDOB's STOP ORDER was lifted and the construction will be resumed. On 10/4/2006, additional groundwater samples were collected from the former tanks area and the sampling result will be submitted in the next Status Report. Concrete slab is extended to the entire site, about 4" thick and it is 6' bg. No excavation will be further advanced. 10-foot

interval of endpoint samples will be taken. Endpoint samples will be collected from 6" to 12" below concrete slab. Further excavation decision will be made based on the soil samples results. (RJF)

Site Investigation/Closure Report, November 2006, submitted by CES Environmental Services. The site investigation including series of soil and groundwater sampling. The site was excavated down to the concrete/brick old foundation. 21 soil borings were advanced and soil samples were taken for SVOCs and VOCs analysis. Minor SVOCs exceedances observed in some borings. 4 groundwater samples taken. No VOCs, except 16 ppb MTBE in W-1. SVOCs exceedances detected in W-3 and W-4.

5/22/2007 - Feng - DEC staff J. Sun and J. Feng visited the site and met with the developer's project manager Mr. S. Cafiso and the construction superintendent Mr. Artie. The excavation was advanced down to 8'-10' bg. A structure engineer from Langang Environmental was onsite. Mr. Artie explained that a 10-mil vapor barrier was installed beneath the basement floor before 4 feet of concrete slab was poured. The concrete had mixed with Krytol Internal Membrane Waterproofing Admixture for Concrete. Mr. Artie also told us that they had resampled soil and groundwater. The foundation wall will be 14 inches thick. DEC required vapor barrier to be installed at the exterior foundation wall before pouring the foundation wall. Soil/gw sampling results, vapor barrier specification and design will be forward to DEC. (RJF)

11/26/2007 - Feng - A copy of the lab report, 10/4/2007, submitted by Basile Danali, LLC. No text report included. A map indicates the boring locations attached. Soil samples were collected at depth of 14'-18' bg. Only some minor SVOCs detected in EB-1. The others are below MDL. (RJF)

11/29/2007 - Feng - Discussed with Joe Sun. It is necessary to have more groundwater data in the vicinity of the former tank area due to the exceedances of SVOCs. Letter to Rocco Basile (Atlantic Walk, LLC) and requiring further delineation of the SVOCs contaminated former tank area and the documentation of vapor barrier/water proof layer installation for the new building. Work plan and the vapor barrier installation document to be submitted by 1/14/2008. (RJF)

4/18/2008 - Feng - Reviewed the whole package of analysis reports, previous reports sent by A-1 Testing Laboratories, Inc. Attached with black and white pictures taken 5/22/2007 installation of the membrane. (RJF)

5/5/2008 - Feng - Letter to Rocco Basile (Atlantic Walk LLC) requiring a soil boring to be installed at the sidewalk of Washington Street. Soil and groundwater samples to be taken. Report due 7/7/2008. (RJF)

5/8/2008 - Feng - Rocco Basile called. The project is taken over by the developer. He will forward the DEC's letter to the developer and let the developer know what needs to be done. (RJF)

6/4/2008 - Feng - Reviewed Limited Subsurface Investigation Report, dated 5/28/2008, prepared by JC Broderick & Associates, Inc. (JCB). On 5/21/2008, JCB advanced one soil boring at the sidewalk of Washington Street using GeoProbe. Soil boring depth 16 feet bg. Groundwater was encountered at 14 feet bg. 2 soil samples (at 10'-12', 12'-14') and 1 groundwater samples were collected. Analyticals did not show any exceedances, all below MDL.

Discussed with Joe Sun, spill could be closed. The onsite soil sampling were done and only show minor SVOCs exceedance detected in some borings. The onsite soil was excavated down to the old foundation/concrete slab and disposed offsite because of the site development. Groundwater was detected with SVOCs exceedances in the former tank area. The recent soil and groundwater samples which were collected in downgradient of the former tank area at the sidewalk of Washington Street sidewalk did not show exceedances, that means no migration off site. A vapor barrier membrane was installed for the new building. Spill closed.

6/9/2008 - NFA issued. (RJF)

**Map Identification Number 129**     **HUDSON RIVER/PIER 2632**  
HUDSON RIVER/PIER 2632

NEW YORK CITY, NY

**Spill Number: 8807335**

**Close Date: 12/04/1992**  
TT-Id: 520A-0094-844

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1984 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: WEST ST/VESTRY ST

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Citizen  
Caller Name: MS. SI O'GRADY  
DEC Investigator: SIGONA

Spiller: UNKNOWN  
Notifier Name:  
Caller Agency: CITIZEN  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 925-4110  
Contact Person Phone:

Spill Class: POSSIBLE RELEASE WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;NO CORR ACTION REQUIRED

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 12/06/1988        | 12/04/1992          | UNKNOWN          | UNKNOWN                 |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | -1.00            | UNKNOWN                 | 0.00               | UNKNOWN             | SURFACE WATER        |

## Caller Remarks:

SHEEN APPEARS FROM HOLLAND TUNNEL-BATTERY PARK FROM PIER 26-32 ALL THEWAY TO NEW JERSEY, PATCHY &amp; DISPERSING.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 130**     **AT INTR SCTN PRNC&THMP SN**  
PRINCE ST/ THOMPSON ST

MANHATTAN, NY

**Spill Number: 0604184**

**Close Date: 07/17/2006**  
TT-Id: 520A-0090-455

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2000 feet to the ESE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

|                             |                                    |                                      |
|-----------------------------|------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN    | Spiller: UNKNOWN                   | Spiller Phone:                       |
| Notifier Type: Local Agency | Notifier Name:                     | Notifier Phone:                      |
| Caller Name:                | Caller Agency:                     | Caller Phone:                        |
| DEC Investigator: rvketani  | Contact for more spill info: CHRIS | Contact Person Phone: (212) 504-4404 |

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 07/15/2006 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

## Caller Remarks:

REC'D FROM 311 OF AN UNKN OIL SPILL AT ABOVE INTERSECTION. CALLER FROM DEP WILL CONTACT SANTITATION.

## DEC Investigator Remarks:

7/17/06 - Raphael Ketani. I called up DOS. I reached the operator. She said she will have DOS send someone out to clean the site. Therefore, I am closing the case administratively.

**Map Identification Number 131**      **ZITO & SONS BAKERY**  
259 BLEECKER ST

MANHATTAN, NY

**Spill Number: 0303817**

**Close Date: 07/11/2003**  
TT-Id: 520A-0099-356

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 2019 feet to the NE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

|                                 |                                          |                                      |
|---------------------------------|------------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN        | Spiller: UNKNOWN                         | Spiller Phone:                       |
| Notifier Type: Affected Persons | Notifier Name: JULIUS ZITO               | Notifier Phone: (212) 929-6139       |
| Caller Name: JULIUS ZITO        | Caller Agency: ZITO & SONS BAKERY        | Caller Phone: (212) 929-6139         |
| DEC Investigator: CESAUYER      | Contact for more spill info: JULIUS ZITO | Contact Person Phone: (212) 929-6139 |

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 07/11/2003 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| HYDRAULIC OIL    | OTHER          | 20.00            | GALLONS | 0.00               | GALLONS | SOIL                 |

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Caller Remarks:

CALLER STATES THERE IS OIL ALL OVER HIS DELIVERY TRUCK AND ON THE STREET BEHIND HIS BUSINESS, COMP BELIEVES A GARBAGE TRUCK MAY HAVE RUPTURED A HYDRAULIC LINE AND THEN LEFT THE SCENE

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"

SAWYER - 7/11 (OFF HOURS) BECAUSE OF RAIN NOTIFIED DEP OF THE CHANCE OF HYDRAULIC FLUID IN THE SEWER SYSTEM.WORK ORDER #650207

ANDREW KELLY (DEP) RESPONDED. CLOSED CS

**Map Identification Number 132**      **MANHOLE #45940**  
THOMPSON ST & BROOME ST

MANHATTAN, NY

**Spill Number: 9808065**

**Close Date: 11/05/2003**  
TT-Id: 520A-0102-320

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2020 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: THOMPSON ST / BROOME ST

Revised zip code: UNKNOWN

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Affected Persons

Caller Name: LISA PRIMEGGIA

DEC Investigator: JHOCONNE

Spiller: UNKNOWN

Notifier Name: MR RUSSO

Caller Agency: CON EDISON

Contact for more spill info: LISA PRIMEGGIA

Spiller Phone:

Notifier Phone:

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

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| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 10/01/1998 |                     | UNKNOWN        | NO                      | NO                  |

---

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| MOTOR OIL        | PETROLEUM      | 10.00            | GALLONS | 0.00               | GALLONS | GROUNDWATER          |

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Caller Remarks:

ABOUT 10 GALS OF UNKNOWN TYPE OIL IN WATER IN MANHOLE CALLER IS WAITING FOR CLEANUP - WAITING FOR A TANKER - SAMPLES HAVE BEEN TAKEN -

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
E2MIS 120207

OCT. 01, 1998 09:25 HRS.

J. BYRNES #62353 OP. SUPV. UNDERGROUND SOUTH REPORTS ON 10/01/98 @ 09:00 HRS HE FOUND APPROX. 10 GALLONS OF AN UNKNOWN OIL MIXED WITH APPROX. 500 GALLONS OF WATER IN M45940 @ N/W/C THOMPSON ST & BROOME ST.

THE SPILL IS CONTAINED AND NO IMPACT TO WATERWAYS OR SEWERS.

A SAMPLE WAS TAKEN AND TAG# 10243 WAS INSTALLED.

THE SPILL WILL BE CLEANED UP BY FIELD CREWS ON LOCATION. NOW AWAITING A TANKER TRUCK FROM ASTORIA YARD.

NO AGENCY'S ON LOCATION AT THIS TIME.

THERE IS NO SUMP PUMP AT THIS LOCATION.

RECORDED BY T. RUSSO #45348 @ MCC #9 DESK.

10/01/98 10:00 HRS L. PRIMEGGIA #81031 C.I.G. NOTIFIED BY T. RUSSO.

If this is a Con Edison manhole it contains electrical cable and splices. Many manholes have a sealed sump in the floor which is used to allow runoff when pumping the structure. A hose is placed in this sump and water on the floor will flow into the sump allowing the floor to be cleaned. If cleaned prior to analysis of the fluid, the structure will be cleaned as >50 PPM and all liquid and waste will be manifested accordingly. The structure will be double washed with a degreaser, i.e. Slix. All cleaning material and PPE will also be treated as >50. If any sludge is found within a manhole it is treated as lead contaminated and manifested accordingly. The spill identification tag will remain secured to the structure until the analysis is completed and if <500 PPM the signage will be removed. If the analysis is >499 PPM, a grid will be prepared for wipe testing the area. Until the analysis of the wipes are proven to be <10ug/100cm<sup>2</sup> all additional waste produced from the structure will be treated as the original analysis.

If this spill occurred in a transformer vault containing a sump pump and there was a possible release, the drainpipe trap will be dismantled to determine if oil was released. Sludge found in a vault, through historical analysis, has been determined not to contain lead.



10/02/98 O.S. (UG) R. Velasquez # 27188 reports clean up complete in MH-45940 NWC Thompson St. & Broome St. on 10/01/98 @ 22:00 hrs.

Treated wastestream as >50 ppm PCB - Pending Lab analysis

Removed 200 gals. Oil/Water to > 50 tankers

Double washed & rinsed structure

Generated 3 drums solid waste - Taken to Chem Waste via Corporate Transportation

EPA ID# NYP004018115

Spill tag #10243 left in place - Pending Lab analysis

Crews: O.S. (UG) R. Velasquez # 27188, J. Byrnes # 62353

P. Mulholland # 18565, A. Smeragliuolo # 16106, W. Molloy # 15876

DEP AGENCY ON LOCATION @ 12:30 hrs with O.S. (UG) J. Byrnes #62353.

DEP Stanley Baldwin requested clean up completion date from J. Byrnes.

J. Byrnes stated to DEP that the clean up will be complete on 10/01/98 .

10/06/98 O.S. (UG) J. Byrnes # 62353 reports Spill Tag #10243

has been removed in MH45940 on 10/06/98 @ 08:30 hrs.

SA 98-10548 <1. ppm PCB - Received 10/05/98

**Map Identification Number 133**     **204718; NE THOMPSON ST & BROOM**  
NE THOMPSON ST & BROOM

, NY

**Spill Number: 0890004**

**Close Date: 03/28/2007**  
TT-Id: 520A-0218-323

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2020 feet to the SE

**ADDRESS CHANGE INFORMATION**

Revised street: THOMPSON ST / BROOME ST  
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Responsible Party  
 Caller Name:  
 DEC Investigator: Unassigned

Spiller: ERT DESK - CON EDISON  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: ERT DESK

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (212) 580-8383

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 02/27/2007        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 2.00             | GALLONS                 | 0.00               | GALLONS             | UTILITY              |

Caller Remarks:

M45950 - NEC THOMPSON & BROOM ST -- UNKNOWN OIL  
 Closed: Agency Approval Not Required

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 134**     **CONSTRUCTION**  
 BROOME STREET & THOMPSON

MANHATTEN, NY

**Spill Number: 0800839**

**Close Date: 04/25/2008**  
 TT-Id: 520A-0218-320

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2020 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: BROOME ST / THOMPSON ST  
 Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Responsible Party  
 Caller Name:  
 DEC Investigator: smsanges

Spiller: SHAWN DONOHUE - CONSTRUCTION  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: SHAWN DONOHUE

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (718) 595-5000

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 04/21/2008 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

## Caller Remarks:

SOMEONE WITNESSED SOMEONE DRILLING IN TANKS

## DEC Investigator Remarks:

DEP sent someone to the site and did not see any problems

**Map Identification Number 135**     **THREE GAL UNK OIL IN MANHOLE 45940**  
 THOMPSON STREET & BROOME ST

MANHATTAN, NY

**Spill Number: 0612039**

**Close Date: 03/16/2007**  
 TT-Id: 520A-0102-322

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2020 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: THOMPSON ST / BROOME ST  
 Revised zip code: 10013

Source of Spill: UNKNOWN  
 Notifier Type: Responsible Party  
 Caller Name:  
 DEC Investigator: GDBREEN

Spiller: CON EDISON  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: ERT DESK

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 01/30/2007 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 3.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

## Caller Remarks:

CLEAN UP PENDING SAMPLES. CON ED REF #204309  
 NO TO ALL 5 QUESTIONS.

## DEC Investigator Remarks:

03/16/07 - See e-docs for Con Ed report detailing cleanup and closure.

204309. see eDocs

**Map Identification Number 136**      **FOUR GAL UNK OIL IN MANHOLE 45949**  
THOMPSON ST & BROOME STREET

MANHATTAN, NY

**Spill Number: 0612038****Close Date: 02/16/2007**  
TT-Id: 520A-0102-323

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2020 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: THOMPSON ST / BROOME ST

Revised zip code: 10013

Source of Spill: UNKNOWN  
Notifier Type: Responsible Party  
Caller Name:  
DEC Investigator: GDBREENSpiller: CON EDISON  
Notifier Name:  
Caller Agency:  
Contact for more spill info: ERT DESKSpiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 01/30/2007        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 4.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

## Caller Remarks:

NO TO ALL 5 QUESTIONS. CLEAN UP PENDING SAMPLES. CON ED REF #204302

## DEC Investigator Remarks:

02/16/07 - See e-docs for Con Ed report detailing cleanup and closure.

204302. see eDocs

**Map Identification Number 137**     **MANHOLE 37957**  
34 LAIGHT ST

MANHATTAN, NY

**Spill Number: 9908075**

**Close Date: 02/05/2004**  
TT-Id: 520A-0097-321

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2060 feet to the S

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: MIKE CESARE  
DEC Investigator: COMENALE

Spiller: UNKNOWN  
Notifier Name: MARCEY  
Caller Agency: CON EDISON  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 580-6763  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/03/1999        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

## Caller Remarks:

oil on 10 gallons of water - clean up pending lab results - ref #128210

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 138**     **BUILDING**  
193 BLEEKER STREET

MANHATTAN, NY

**Spill Number: 0709716**

**Close Date: 12/10/2007**  
TT-Id: 520A-0212-630

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)  
Approximate distance from property: 2060 feet to the ENE

## ADDRESS CHANGE INFORMATION

Revised street: 193 BLEECKER ST  
Revised zip code: 10012

Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: Other  
Caller Name:  
DEC Investigator: hrpatel

Spiller: ADAM  
Notifier Name:  
Caller Agency:  
Contact for more spill info: ADAM

Spiller Phone: (917) 224-3009  
Notifier Phone:  
Caller Phone:  
Contact Person Phone: (917) 224-3009

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 12/10/2007       |                     | OTHER          | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| #2 FUEL OIL      |                     | PETROLEUM      | 0                       | GALLONS | 0                   | GALLONS | SOIL                 |

## Caller Remarks:

PORTABLE BOILER COMPANY HAS OIL AND WATER LEAKING INTO STREET, SOME DID GO DOWN DRAINS

## DEC Investigator Remarks:

12/10/07-Hiralkumar Patel. spoke with Adam. he is living next door and complained about leaking oil and water from portable boiler at site. boiler belongs to EAstmond.

spoke with Isaac at Eastmond. as per Isaac, contractor is removing boiler from site and in that process, steam released. some water dripped from boiler and might be some oil on street. contractor doing cleanup.

case closed.

**Map Identification Number 139**     **48 LAIGHT STREET**  
48 LAIGHT STREET

MANHATTAN, NY

**Spill Number: 0306088**

**Close Date: 09/09/2003**  
TT-Id: 520A-0097-318

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 2073 feet to the S

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Citizen  
Caller Name: REFUSED  
DEC Investigator: MXTIPPLE

Spiller: UNKNOWN  
Notifier Name: REFUSED  
Caller Agency:  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 09/09/2003 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN MATERIAL | OTHER          | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

---

Caller Remarks:

caller says that a company is removing some kind of underground tanks and she doesn't think they have any permits they might be leaking something

---

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"  
ref to spill #0207349

**Map Identification Number 140**      **MORTON ST-GREENWICH VILL.**      **Spill Number: 9403006**      **Close Date: 06/01/1994**  
PIER 42 -MORTON ST      NEW YORK CITY, NY      TT-Id: 520A-0094-864

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (2)  
Approximate distance from property: 2077 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: 10014

Source of Spill: UNKNOWN  
Notifier Type: Federal Government  
Caller Name: P.O. PUMA  
DEC Investigator: CAMMISA

Spiller: UNKNOWN  
Notifier Name:  
Caller Agency: U.S.C.G.  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 668-7920  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

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| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 06/01/1994 | 06/01/1994          | UNKNOWN        | UNKNOWN                 | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | -1.00            | UNKNOWN | 0.00               | UNKNOWN | SURFACE WATER        |

---

Caller Remarks:

COMING FROM A PIPE FROM PIER 42 AREA- U.S.C.G. WILL NOT RESPOND I- UNKNOWN IWCS DEP NOTIFIED .

---

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

**The following DEC Investigator Remarks were available prior to 1/1/2002:**

10/10/95: This is additional information about material spilled from the translation of the old spill file: WHITE SUBSTANCE.

**Map Identification Number 141**      **MANHOLE #TM3851**  
IFO 27-35 THOMPSON ST

MANHATTAN, NY

**Spill Number: 9907511**

**Close Date: 02/04/2004**  
TT-Id: 520A-0094-230

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2092 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: 10013

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: STEPHEN CRIBBEN  
DEC Investigator: COMENALE

Spiller: UNKNOWN  
Notifier Name: MR BOSZE  
Caller Agency: CON EDISON  
Contact for more spill info: STEPHEN CRIBBEN

Spiller Phone:  
Notifier Phone: (212) 338-3352  
Caller Phone: (212) 580-8576  
Contact Person Phone: (212) 580-8576

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 09/22/1999        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 20.00            | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

found on 900 gallons of water in manhole - con ed 127933 - no visual movement of fluid - clean up pending sample results - no other oil filled equipment in structure

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.



**Map Identification Number 142**      **SERVICE BOX 01566**  
258 W.10TH ST

MANHATTAN, NY

**Spill Number: 0004123**

**Close Date: 10/17/2001**  
TT-Id: 520A-0091-125

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2112 feet to the N

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: STEVEN ROMERO  
DEC Investigator: JHOCONNE

Spiller: UNKNOWN  
Notifier Name: ZOELLER  
Caller Agency: CON ED  
Contact for more spill info: STEVEN ROMERO

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 07/06/2000        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

## Caller Remarks:

1 QUART ON 25 GALLONS OF WATER. CLEAN UP PENDING.

CON ED# 132205

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
Con Ed e2mis Notes:

7/6/00 Found 1qt oil in service box. Contains 25gal water. Sample taken for ID and PCB. PCB count returned <1ppm. Sample yielded an insufficient amount for oil ID analysis. Presence of sump not verified. No sewer connection. Only secondary cable exists in service box. Under 50ppm tanker removed 450gal of liquids. Hole was double washed with degreaser and flushed. No sump. Unknown spill source.

**Map Identification Number 143**      **MANHOLE 36378**  
GREENWHICH ST/W 10TH ST

MANHATTAN, NY

**Spill Number: 0004132**

**Close Date: 10/17/2001**  
TT-Id: 520A-0094-843

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2112 feet to the N

**ADDRESS CHANGE INFORMATION**

Revised street: GREENWICH ST / W 10TH ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: STEVE ROMERO

DEC Investigator: JHOCONNE

Spiller: CON EDISON

Notifier Name: PELLEGRINO

Caller Agency: CON EDISON

Contact for more spill info:

Spiller Phone: (212) 580-6763

Notifier Phone:

Caller Phone: (212) 580-6763

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 07/06/2000        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

**Caller Remarks:**

1qt unk oil on 75gal of water - contained - sample taken - case #132212

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"

Con Ed e2mis Notes:

7/6/00 Less than 1qt unknown oil on 75gal water in manhole. No other oil filled equipment in manhole other than cable. No sump pump running. Verified that there is a sewer connection. Samples were taken for PCB and ID analysis. PCB count <1ppm. Under 50 tanker removed the liquids from the manhole and washed with degreaser and flushed.

**Map Identification Number 144**      **BETWEEN BEDFORD & BLEEKER**  
 IFO #40 GROVE ST

MANHATTAN, NY

**Spill Number: 0306410**

**Close Date: 09/17/2003**  
 TT-Id: 520A-0103-567

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2122 feet to the NNE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: 10014

Source of Spill: UNKNOWN  
 Notifier Type: Citizen  
 Caller Name: MIKE ANASTASIO  
 DEC Investigator: SMSANGES

Spiller: UNKNOWN  
 Notifier Name: MIKE ANASTASIO  
 Caller Agency: CITIZEN  
 Contact for more spill info: MIKE ANASTASIO

Spiller Phone:  
 Notifier Phone: (212) 243-7280  
 Caller Phone: (212) 243-7280  
 Contact Person Phone: (212) 243-7280

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 09/17/2003        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

**Caller Remarks:**

CALLERS STATES THERE'S A LARGE OIL SLICK AT ABOVE, MUST HAVE HAPPENED SOMETIME OVERNIGHT OR THIS MORNING - SOMEONE HIT THE SLICK ON THEIR BIKE AND WAS TAKEN TO THE HOSPITAL

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"  
 called nyc-sanitation to sand street

**Map Identification Number 145**      **GARAGE**  
 74-88 AVE OF AMERICA'S

NEW YORK, NY

**Spill Number: 0704488**

**Close Date: 04/23/2008**  
 TT-Id: 520A-0103-065

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2125 feet to the SSE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Other  
 Caller Name:  
 DEC Investigator: hrpatel

Spiller: JULIE REQUARTH - GARAGE  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: JULIE REQUARTH

Spiller Phone: (212) 308-7200  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (212) 308-7200

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 07/20/2007        |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

Caller Remarks:

FOUND CONTAMINATED SOIL AT PARKING GARAGE

DEC Investigator Remarks:

07/20/07 I spoke with Eric Telemaque who called in the spill. The subject property is being used for two story parking garage, a diner and a paved parking lot. Two fill port and two vent pipe on the property indicate there were/are tanks at the property. Building is now being demolished as part of building a hotel there. Phase II investigation report will be sent to Jeff Vought.

Property Owner is  
 Brack Capital Services  
 885 3rd Avenue, 27th Floor  
 New York, NY 10022  
 Attn: Julie Requarth  
 Ph. (212) 308-7200  
 Fax (212) 308-1231  
 email: jrequarth@bcreusa.com

07/24/07-Hiralkumar Patel. spoke with Eric. he will send report by tomorrow.

08/27/07-Hiralkumar Patle. spoke with Eric. he just got feedback from owner regarding report and once he get approval, he will forward that report to the department.

08/28/07-Hiralkumar Patel. received call from Tarek Khouri (212-479-5450) from Langan. they were hired by property owner for further work. Mr. Khouri mentioned that previous company also did groundwater testing and Mr. Khouri will send Phase II report with groundwater data by Aug. 31st, 2007.

09/05/07-Hiralkumar Patel. received report from Mr. Khouri. abstract:

- limited Phase II was done by Emteque corporation
- Emteque collected and analyzed eight soil samples, seven samples to a depth of about 8 ft and one sample to a depth of about 12 ft bg
- historical fill material was observed in each boring to a depth of approx. 3-4 ft. fine sands and gravel were observed in soil below 4 ft
- subject property consists of a two story brick building and associated sidewalk territory, and exterior paved parking area and a small dining establishment.
- two improved structures currently on the site. one is used for commercial parking and other is a dining establishment
- samples were collected from the 0 to 8 ft column in borings SB1 to SB7 and from 0 to 12 ft at SB8.
- for the composite samples, the soil from the whole column was mixed in a plastic container before sample selection to identify representative conditions
- found SVOC contamination in all samples
- Hydrotech did groundwater investigation
- three monitoring wells are located within a 1-story building
- depth of water ranges from 10.36 ft in MW-2 to 11.38 ft in MW-1.
- minor VOC contamination found in well MW-1
- SVOC contamination found in groundwater sample from well MW-3 (maximum value: 2-Methylnaphthalene 530 ppb)

recommendations:

- remediation will consist of removal of all impacted soil to about 1 ft above the groundwater table
- dewatering will be conducted for construction purposes and to remove the impacted groundwater to the extent practicable
- groundwater will then either be transported for offsite disposal or treated prior to discharge to sewer system
- will commence remediation activities in late Sep. 2007
- site specific health and safety plan will be submitted to the department
- at end, endpoint samples and groundwater samples will be collected

left message for Eric at Emteque and for Mr. Khouri at Langan to submit phase I report and boring logs for sample taken during phase II.

09/07/07-Hiralkumar Patel. received message from Mr. Khouri. he has sent Phase I report. he spoke with Emteque regarding boring logs, but they never prepared boring logs.

received phase I report. abstract:

- alternate addresses for the site: 23-25 Grand Street, 80-88 6th Ave, 27-31 Grand Street, 11-15 Thompson Street, 74-76 6th Ave
  - site consist of a 1-story car diner (restaurant) with a partial level below grade, a 2-story parking garage with one level below grade and an exterior paved area
  - based upon the sensitivity of the real estate transaction, the basement area of the dinning car could not be inspected
- <-----
- facility is heated with gas
  - 2-story structure has parking on the ground floor including the use of hydraulic lifts and parking on second floor
  - basement level of parking is no longer in use
  - parking business has been in existence since 1998-99

- prior use includes a taxi repair shop <-----
- hydraulic lifts were noted closed-in-place and a floor trench system was noted <-----
- two fuel oil tank vent lines were noted on the east side of the structure, however, USTs could not be found <-----
- concrete encased hydraulic oil tank is assumed to exist inside the structure and served the hydraulic car lift <-----
- site elevation is approx. 8 ft above mean sea level
- groundwater beneath the site is expected to be encountered at 8 ft bg and is anticipated to flow west-southwest toward the Hudson river

spoke with Mr. Khouri. asked him for following:

- excavation down to groundwater, instead of excavating to 1 ft above water table, to cover any contaminated spot
- if there is any contamination below water table, asked to continue excavation until get clean soil or no further excavation possible
- vapor barrier
- inspection of basement of dining car (as not done during phase I)
- scaled site map (as map in phase II is not scaled and clear) including locations of all borings/wells, existing/former tanks (fuel oil/hydraulic fluid), hydraulic lifts (as found during phase I), vent pipe (as found during phase I), trench (as found during phase I), remote fill port etc.

asked Mr. Khouri to submit revised RAP including all above, with health and safety plan.

09/11/07-Hiralkumar Patel. sent letter to Ms. Requarth requiring sampling of dewatering discharge, endpoint samples, vapor barrier and SSDS installation and soil/groundwater delineation at remote fill ports. letter emailed to Ms. Requarth and Mr. Khouri.

09/13/07-Hiralkumar Patel. visited site. nobody at site during visit. found some concrete patches (two patches in front of two story garage along 6th Ave, one asphalt patch in area of car dining along Grand street) in different colors than other sidewalk area (could be location of fill boxes). found two vent pipes and two fill ports on eastern wall of two story parking garage.

09/14/07-Hiralkumar Patel. spoke with Mr. Khouri at Langan. asked him to investigate all patches on sidewalk, that could be fill boxes. also asked Mr. Khouri to seal two fill boxes on eastern wall of two story garage to prevent any misdelivery and asked to investigate inside building for any tank (that could be done during construction activities).

09/28/07-Hiralkumar Patel. received RAP from Mr. Khouri. abstract:

- remediation will consist of mass removal of subsurface soil within the site boundary to about 6 inches to 1 ft above water table
- if highly impacted materials are observed at the bottom of the excavation, will attempt to delineate both vertically and horizontally the extent of the impacted material and excavate to a few ft below the water table
- dewatering will be conducted for construction purposes
- if groundwater is to be discharged to sewer, a treatment system will be designed for treatment of water prior to discharge to sewer system
- endpoint soil and groundwater samples will be collected
- vapor barrier will be installed

- if any endpoint samples found to be impacted, SSDS will be designed and installed
- sub-slab will not be poured until endpoint sample results have been reviewed and accepted by NYSDEC <-----
- all fill ports, storage tanks and pipings will be removed

12/24/07-Hiralkumar Patel. received email from Ms. Wren. they found one UST and will remove it.

Abigail Wren  
Langan Engineering  
PH. (212) 479-5562 (O)  
(347) 454-4529 (C)  
email: awren@Langan.com

03/25/08-Hiralkumar Patel. sent email to Mr. Wren to submit report. received email from Mr. Wren. they will finish excavation in next two days and will collect endpoint samples. will submit report soon.

04/03/08-Hiralkumar Patel. received email from Mr. Wren. they collected endpoint soil and groundwater samples recently. waiting for analyticals. will submit report soon.

04/15/08-Hiralkumar Patel. received report from Mr. Khouri. abstract:

- removed three 275 gal #2 oil USTs and associated pipings
- removed 4100 tons of soil from depths withing 2.5 to 3 ft above the groundwater table
- dewatering, including groundwater treatment using an oil/water separator and discharge to NYC DEP combined sewer
- conducted in-situ waste characterization sampling to classify soil for remedial excavation and off-site disposal; Hydrotech advanced 12 borings to within 6 inches to 1 foot of groundwater table <-----
- fill composed of brick fragments, gravel, sand and silt was observed at depths of 4 ft to 8 ft in the borings; staining, odors or other indications of petroleum impacts were not encountered
- total 16 bottom and 12 sidewall samples were collected from excavation area from depths of 8 to 11 ft bgs
- three temporary wells were installed for construction dewatering purposes
- vapor barrier and active SSDS will be installed
- no contamination found in groundwater samples
- some SVOC compounds found above limit below 8 ft depth and found almost in all samples

04/23/08-Hiralkumar Patel. as SVOC contamination found at depth below 8 ft bg and new building will have vapor barrier and SSDS, based on submitted report, case closed.

sent NFA to Ms. Requarth. letter emailed to Ms. Requarth and Mr. Khouri.

**Map Identification Number 146**

110 CHRISTOPHER ST

MANHATTAN, NY

**Spill Number: 0307881****Close Date: 07/26/2004**

TT-Id: 520A-0091-465

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2137 feet to the NNE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Responsible Party

Caller Name: FLORENCE HANLEY

DEC Investigator: MXTIPPLE

Spiller: CALLER - T AND S TRUCKING

Notifier Name:

Caller Agency: T AND S TRUCKING

Contact for more spill info: CALLER

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 499-2900

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/27/2003       |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #4 FUEL OIL      | PETROLEUM           | 6.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

## Caller Remarks:

DRIVER BLEW LINE AND OIL CAME OUT. CLEANUP CREW ENROUTE.

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"  
 7/12/04 tipple sent letter requesting cleanup documentation.

7/26/04 documentation arrivesand has been reviewed//nfa

**Map Identification Number 147**

32 THOMPSON ST

MANHATTAN, NY

**Spill Number: 0200501****Close Date: 04/23/2002**

TT-Id: 520A-0094-227

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2164 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE



Source of Spill: UNKNOWN  
Notifier Type: Other  
Caller Name: DENNIS GOLDSTEIN  
DEC Investigator: SMSANGES

Spiller: UNKNOWN  
Notifier Name: DRIVER  
Caller Agency: FERRANTINO FUEL OIL  
Contact for more spill info: DENNIS GOLDSTEIN

Spiller Phone:  
Notifier Phone:  
Caller Phone: (718) 832-6700  
Contact Person Phone: (718) 832-6700

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 04/15/2002       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #2 FUEL OIL      | PETROLEUM           | 5.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

driver found spill..they are cleaning it up at this tiem..they have a mechanic on the way to determine cause and responsibility.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"

4/15/2002 - Sangesland spoke to property manager "Adam" at Margules Properties (212-929-7361). He was working with Ferrantino Fuel to get the spill cleaned up.

4/19/2002 - Mr Tieger (tenant in Apt. #9) called in to say the spill was all cleaned up and Ferrantino did a nice job.

Spill Closed

**Map Identification Number 148**     **MANHOLE 45918**  
GRAND ST/ THOMPSON ST

MANHATTAN, NY

**Spill Number: 0500869**

**Close Date: 07/12/2005**  
TT-Id: 520A-0090-853

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2172 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Responsible Party  
 Caller Name: TOM MARCINEK  
 DEC Investigator: GDBREEN

Spiller: UNKNOWN  
 Notifier Name: MR CURTIS  
 Caller Agency: CON ED  
 Contact for more spill info: ERT DESK

Spiller Phone:  
 Notifier Phone: (212) 580-6763  
 Caller Phone: (212) 580-6763  
 Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 04/20/2005        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

NO TO 5 QUESTIONS. CLEANUP PENDING CREW AVAILABILITY. CON ED REF# 158181

DEC Investigator Remarks:

158181. Henry Anderson #14143, Cable Dept. reported at 11:16 hrs. that he found at 11:10 hrs. approx. 1 gallon of unknown fluid on top of approx. 49 gallons of water in manhole M45918 located at the north west corner of Grand Street & Thompson Street. The Cable Dept. was at this location removing an Open Main working under Account #42225 when the spill was discovered. The unknown fluid does not appear to be a petroleum-based product. It was found on top of the water in a concrete structure. There are primary and secondary cables in the structure. There was no fire or smoke involved and no sewer or waterway was affected. There were no injuries related to the spill and no weather conditions contributed to the hazards of the spill. There was no private property affected. The source and cause of the spill is unknown. Environmental tag #38846 was installed. There was standing water but no visual water movement. There was no sewer connection, no substantial cracks and a concrete sump could not be verified due to the amount of fluid in the hole. Two liquid samples for PCB and Oil ID were taken by Ed Reilly #12756 of the Cable Dept. on a priority "E" basis from the spill. Chain of Custody #DD13048 was issued. No initial cleanup action taken. Cleanup is pending lab results. Parking Access Info: Parking Anytime - manhole on corner. Logger: R. Pellegrino #38620. CIG Larry Costa #13880 notified at 12:35 hrs. R. Pellegrino #38620  
 Update: Lab Results 04/20/05 @ 21:12 hrs  
 Lab Sequence Number: 05-03666-001 Date Approved: 4/20/2005

TEST DESCRIPTION RESULT UNIT METHOD

PCB Analysis by EPA 608/8082

Aroclor 1242 < 1.0 ppm EPA 608/8082

Aroclor 1254 < 1.0 ppm EPA 608/8082  
 Aroclor 1248 < 1.0 ppm EPA 608/8082  
 Aroclor 1260 < 1.0 ppm EPA 608/8082

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04-25-05 @ 12:35

Clean-up was completed at 12:30pm. MH was double-washed with slix. Tanker & vactor truck was on location. 725 gallons of oil & water mixed was removed. Environmental tag #38846 was removed. Source of spill is unknown. No repairs needed. See clean-up crew on people involved screen.

**Map Identification Number 149**      **OIL ON SOIL IN EXCAVATION**  
 110 WEST HOUSTON STREET

MANHATTAN, NY

**Spill Number: 0700683**

**Close Date: 07/30/2007**

TT-Id: 520A-0090-198

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2178 feet to the E

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Other  
 Caller Name:  
 DEC Investigator: RWAUSTIN

Spiller: ERTSDESK - CON EDISON  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: ERTSDESK

Spiller Phone: (212) 580-8383  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|-------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 04/18/2007        |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled  | Material Class      |                | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           |                | 0                       | GALLONS | 0                   | GALLONS | SOIL                 |

Caller Remarks:

1 OUNCE ON TO SOIL: CONED # 205419

DEC Investigator Remarks:

205419. see eDocs

5/15/07: spill submitted for closure by Con Edison. Spill transferred to R. Austin for follow up by Spill Repsonse group. PBS

number for apartment building at location is 2-346004. (JHO)

7/30/07 - Austin - Reviewed info from this spill report (extremely sketchy) and info about PBS facility referenced above @ 110 W. houston St. (1-2K AST). Not enough info to either require further action or link it to AST. Case closed - end

**Map Identification Number 150**      **157 SPRING ST.**  
157 SPRING ST.

MANHATTAN, NY

**Spill Number: 0514304**

**Close Date: 03/14/2006**

TT-Id: 520A-0095-656

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2220 feet to the ESE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Other  
Caller Name: COTTEN, THERIN  
DEC Investigator: rmpiper

Spiller: PAUL - 157 SPRING ST.  
Notifier Name: 311 OPERATOR  
Caller Agency: DEP-NYC  
Contact for more spill info: PAUL

Spiller Phone: (212) 966-7293  
Notifier Phone: ( ) -  
Caller Phone: (212) 689-1520  
Contact Person Phone: (212) 966-7293

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 03/14/2006        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

**Caller Remarks:**

Caller says that there is an oil leak in the basement and Paul (who works at the site) can smell it. All other info is unknown.

**DEC Investigator Remarks:**

see spill 0511586. This spill closed.

**Map Identification Number 151**      **MANHOLE #49688**  
W BROADWAY & PRINCE ST

MANHATTAN, NY

**Spill Number: 0011582**

**Close Date: 06/05/2001**  
TT-Id: 520A-0090-703

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2224 feet to the ESE

## ADDRESS CHANGE INFORMATION

Revised street: W BROADWAY / PRINCE ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: ANTHONY NATALE

DEC Investigator: OKWUOHA

Spiller: SAME - CON ED

Notifier Name: MR PELLOGRINO

Caller Agency: CON EDISON

Contact for more spill info: ANTHONY NATALE

Spiller Phone: (212) 580-6763

Notifier Phone:

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |  |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|--|
| 01/26/2001       |                     | OTHER            | NO                      |                    | NO                  |                      |  |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |  |
| CABLE OIL        | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |  |

## Caller Remarks:

while doing work on a cable - the oil spilled out of the end of the cable - sample taken clean up pending lab results

con ed #135242

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

**The following DEC Investigator Remarks were available prior to 1/1/2002:**

E2MIS Notes: 1/26/01: 1 oz of cable oil had leaked from plastic bag placed around cable ends on top of concrete floor. No smoke or fire. No standing water or visual movement. A sewer condition could not be verified. No sewer, waterway or private property affected. No standing water in manhole no visula movement. Sewer connection could not be verified. There is a concrete sump but no sump pump. No visible substantial cracks. No evironmental impact.

Final cleanup pending lab analysis results. Manhole is near a fire hydrant.

1-26-01 19:14hrs.

Environmental Deak checked conduit plate and verified sewer connection.

LSN 01-00846

Aroclor none; PCB 1ppm

Analysis indicated the presence of a substance similar to a degraded lubricating oil.

Cleanup type: <50

Double washed walls and floor with slix.

Spill source: Unsealed primary cbale

Inv. Equip: Primary Cable

Leak Abatement: Sealed all primary cable ends.

**Map Identification Number 152**     **157 HUDSON ST**  
157 HUDSON ST

NEW YORK, NY

**Spill Number: 9211333**

**Close Date: 01/03/1993**  
TT-Id: 520A-0100-276

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2245 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: MICHAEL BELGRANES  
DEC Investigator: O'DOWD

Spiller: APARTMENT BUILDING  
Notifier Name:  
Caller Agency: SHELTER CO  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 966-2777  
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 01/03/1993       | 01/03/1993          | UNKNOWN          | UNKNOWN                 |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN MATERIAL | OTHER               | 0                | UNKNOWN                 | 0                  | UNKNOWN             | SOIL                 |

Caller Remarks:

SEWER WATER BACKING UP AT FLOOR LEVELS IN BUILDING AND ADJOINING BUILDING CALLER WANTS CALL BACK

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 153**     **LASTGAST LTD**  
157 HUDSON ST

NEW YORK, NY

**Spill Number: 0311287**

**Close Date: 01/27/2004**  
TT-Id: 520A-0100-277

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2245 feet to the S

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Local Agency  
Caller Name: FISCHER,MARK  
DEC Investigator: MXTIPPLE

Spiller:  
Notifier Name: FISCHER,MARK  
Caller Agency: ENVIRONMENTAL CONSULTANT  
Contact for more spill info: FISHER,MARK

Spiller Phone:  
Notifier Phone: (800) 733-0660 ext. 2  
Caller Phone: (800) 733-0660 ext. 2  
Contact Person Phone: (800) 733-0660 ext. 2

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 01/05/2004        |                     | UNKNOWN          | YES                     |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | POUNDS                  | 0                  | POUNDS              | GROUNDWATER          |

## Caller Remarks:

Mark Fisher did soil borings in the basement of a commercial bldg. there was knowledge of a tank for heating oil had been there and was removed. in a ground water and soil sample you found petroleum odor. dec notification.

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"

1/6/03 TJD (DDO)

1/13/2004 Sangesland received a call from the manager of this property: Anna Vagner (212-925-1145). She says she got the letter, but she says there is no problem at this site. Sangesland suggested that she call Mr. Mark Fischer (environmental consultant).

1/27/04 tipple reviewed submittal by EMG/NFA

**Map Identification Number 154**     **ABANDON GAS**  
350 WEST BROADWAY

NEW YORK, NY

**Spill Number: 0805074****Close Date: 08/04/2008**  
TT-Id: 520A-0220-531

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2247 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: UNKNOWN

Source of Spill: GASOLINE STATION

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: SFRAHMAN

Spiller: YUSEF SOEEM - ABANDON GAS

Notifier Name:

Caller Agency:

Contact for more spill info: YUSEF SOEEM

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (718) 595-4499

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 08/01/2008       |                     | OTHER          | NO                      |         | NO                  |         |                      |
| Material Spilled | Material Class      |                | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| GASOLINE         | PETROLEUM           |                | 0                       | GALLONS | 0                   | GALLONS | AIR                  |

Caller Remarks:

ODOR OF GAS COMING FROM STATION, NO NAME LEFT FROM CALLER

DEC Investigator Remarks:

Cross reference to Spill#0805069.

**Map Identification Number 155**     **CONSTRUCTIO PROJ**  
350 WEST BROADWAY

NEW YORK, NY

**Spill Number: 0805069****Close Date: 08/14/2008**  
TT-Id: 520A-0220-529

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2247 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: UNKNOWN



Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: Responsible Party  
Caller Name:  
DEC Investigator: SFRAHMAN

Spiller: MARK ATAMIAN - CONSTRUCTIO PROJ  
Notifier Name:  
Caller Agency:  
Contact for more spill info: MARK ATAMIAN

Spiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone: (631) 924-3001

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 08/01/2008        |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

Caller Remarks:

FOUND A PETRO ODOR WHILE DIGGING

DEC Investigator Remarks:

08/04/08 I spoke with Mark Atamian of Env.Liability Management @(212)962-4301 x 302.Mark told me the site is a construction site and sub slab was broken and petroleum odor emanating out of the hole.I told them to cover the hole to prevent the odor from spreading.Sample will be taken and more investigation,if needed will have to performed.Site visit may be done soon.(sr)

08/14/08 Inspected the site this morning along with Marc Atamian, of ELM.The site is under construction.The excavated area from where petroleum odor was emanating is still open, there was no sign of petroleum contamination(visual/olfactory) in the hole. End point sample analytical shows residual contamination within acceptable range(no VOC).No sheen observed on water in the hole.Water proofing membrane will be installed below the slab, as per ELM. Spill can be closed.(sr)

Map Identification Number 156 521 HUDSON ST  
521 HUDSON ST

MANHATTAN, NY

Spill Number: 9912388

Close Date: 03/01/2005  
TT-Id: 520A-0092-702

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 2273 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING  
Notifier Type: Local Agency  
Caller Name: KAREN STEPHENSON  
DEC Investigator: JMKRIMGO

Spiller: UNKNOWN  
Notifier Name: FIRE HAZMAT  
Caller Agency: DEP  
Contact for more spill info: CALLER

Spiller Phone:  
Notifier Phone: (917) 769-0483  
Caller Phone: (718) 595-6777  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 01/29/2000       |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| #2 FUEL OIL      |                     | PETROLEUM      | 50.00                   | GALLONS | 0.00                | GALLONS | SOIL                 |

Caller Remarks:

caller thinks that there was an overfill. fd on scene

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"  
03/01/05. Unable to verify contact info. NFA. JK.

**Map Identification Number 157**     **EXIT 5 ST JOHNS ROTARY**  
LAIGHT ST/VARICK ST

MANHATTAN, NY

**Spill Number: 0706880**

**Close Date: 09/21/2007**  
TT-Id: 520A-0103-066

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2279 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: LAIGHT ST / VARICK ST  
Revised zip code: UNKNOWN

Source of Spill: PASSENGER VEHICLE  
Notifier Type: Local Agency  
Caller Name:  
DEC Investigator: smsanges

Spiller: DONNA BRUNO - UNKNOWN  
Notifier Name:  
Caller Agency:  
Contact for more spill info: DONNA BRUNO

Spiller Phone: (201) 360-5038  
Notifier Phone:  
Caller Phone:  
Contact Person Phone: (201) 360-5038

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 09/20/2007       |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| DIESEL           |                     | PETROLEUM      | 10.00                   | GALLONS | 10.00               | GALLONS | SOIL                 |

## Caller Remarks:

caller reports spill of 10 gallons. spill contained and cleaned up using absorbent material.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 158**      **MANHOLE 49632 IN FRONT OF**  
338-42 WEST BROADWAY

MANHATTAN, NY

**Spill Number: 9808566**

**Close Date: 11/04/2003**  
TT-Id: 520A-0094-226

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2298 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: STEVE ROMERO  
DEC Investigator: CAENGELH

Spiller: UNKNOWN  
Notifier Name: MR HEFFERMAN  
Caller Agency: CON EDISON  
Contact for more spill info:

Spiller Phone:  
Notifier Phone: (212) 338-3352  
Caller Phone: (212) 580-6763  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|-------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 10/09/1998        |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled  |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| UNKNOWN PETROLEUM |                     | PETROLEUM      | 5.00                    | GALLONS | 0.00                | GALLONS | SOIL                 |

## Caller Remarks:

CON ED SPILL 120434 - FOUND PETRO MIXED WITH OIL - IT IS BEING TESTED NOW.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"  
E2MIS 120434

If this is a Con Edison manhole it contains electrical cable and splices. Many manholes have a sealed sump in the floor which is used to allow runoff when pumping the structure. A hose is place in this sump and water on the floor will flow into the sump allowing the floor to be cleaned. If cleaned prior to analysis of the fluid, the structure will be cleaned as >50 PPM and all liquid and waste will be manifested accordingly. The structure will be double washed with a degreaser, i.e. Slix. All cleaning material and PPE will also be treated as >50. If any sludge is found within a manhole it is treated as lead contaminated and manifested accordingly. The spill identification tag will remain secured to the structure until the analysis is completed and if <500 PPM the signage will be removed. If the analysis is >499 PPM, a grid will be prepared for wipe testing the area. Until the analysis of the wipes are proven to be <10ugs/100cme2 all additional waste produced from the structure will be treated as the original analysis.

If this spill occurred in a transformer vault containing a sump pump and there was a possible release, the drainpipe trap will be dismantled to determine if oil was

released. Sludge found in a vault, through historical analysis, has been determined not to contain lead.

10/09/1998 1925 HRS

GRUBE 11504 OF F.O.D. REPORTS:

FOUND APPROX. 5 GALLONS UNKNOWN OIL MIXED WITH APPROX 500 GALLONS OF WATER IN M49632, F/O 338-42 WEST BROADWAY. SAID SPILL WAS CONTAINED, NO ENTRY TO SEWER OR WATERWAY, NO CONNECTION TO SEWER, AND IT WAS NOT VERIFIED IF THERE WERE CRACKS OR A SUMP IN THE STRUCTURE. A SAMPLE WAS TAKEN AND TAG #17221 WAS PLACED. INCIDENT REPORTED TO J. COSTA #9 DESK. CIG OPERATOR ROMERO NOTIFIED @1941 HRS.

LOGGER JPH 74031

10/12/98 O.S. E. Hulser #39723 reports clean up complete in MH49632

338-42 West Broadway on 10/10/98 @ 21:30 hrs.

Treated Wastestream >50 ppm PCB

Removed 750 gals. Oil/Water to > 50 Tanker

Generated 5 drums solid waste - Taken to Chem Waste via Corporate

Transportation.

EPA ID# NYP004018893

Double Washed & rinsed structure

Tag #17221 left in place pending Lab analysis

Crews: O.S. R.Velasquez #27188, E. Hulser #39723

T. Sitaca #51653, T. Potnoski #18624, C. Beauchamp #12611,

S. Merkl #17249, A. Gaillard # 92473, N. mekhail #18114

K. McLane # 07844

10/12/98 SA 98-10899 = <1. ppm PCB . O.S E. Hulser #39723 assigned @ 07:00 hrs to remove Spill tag #17221

10/12/98 E.Hulser #39723 reports Spill Tag # 17221 removed from

**Map Identification Number 159**      **406-410 WEST ST**  
406-410 WEST ST

NEW YORK, NY

**Spill Number: 0306591**

**Close Date: 08/17/2006**  
TT-Id: 520A-0094-861

#### MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2305 feet to the N

#### ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name: JOEL LANDES

DEC Investigator: MDBRAND

Spiller: UNKNOWN

Notifier Name:

Caller Agency: LANGAN ENGINEERING

Contact for more spill info: JOEL LANDES

Spiller Phone:

Notifier Phone:

Caller Phone: (212) 479-5404

Contact Person Phone: (212) 479-5404

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN RELEASE W/ NO DAMAGE);DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 07/18/2003       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN MATERIAL | OTHER               | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

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Caller Remarks:

ON A VACANT SITE THEY FOUND SOME CONTAMINATION IN THE SOIL THAT MAY BE RELATED TO FUEL OIL - THE MATERIAL WILL BE EXCAVATED - SITE OWNERSHIP CHANGED AND THE NEW OWNER OF THE SITE DECIDED TO REPORT THE SPILL (THAT IS WHAT CAUSED THE DELAY IN REPORTING THE SPILL) - OWNER IS 410 WEST LLC C/O ALEXICO MANAGEMENT GROUP INC. 150 E 58TH ST NEW YORK, NY 10155 - STEWART MARTONE (212)371-8188

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"  
DDO Sawyer sent contaminated soil letter 9/22/03.

07/25/2005 1420 hrs: Sent e-mail to site contact, Stuart Marton, Alexico Management Group (212-371-8188, e-mail stuartmarton@alexicogroup.com) requesting information on spill. M.Brand NYSDEC DER Albany.

07/26/2005 1744 hrs: Telephone voicemail message from Joel Landes, Langan Engineering, about site. Langan had submitted closure report to Region 2 (Sawyer) in 2004, he will send in another copy to me for review. M.Brand NYSDEC DER Albany.

07/27/2005 1500 hrs: Telephone conversation with Joel Landes, Langan Engineering (212-479-5404). Site was remediated during construction of new building, Landes will send spill closure report. M.Brand NYSDEC DER Albany.

August 2005: Information submitted by Langan Engineering:

Soil and Groundwater Management Plan, dated October 3, 2003, submitted by Langan to NYSDEC Region 2, proposing soil and groundwater testing and subsequent remedial activities to be performed during site construction work;

Spill Closure Report, NYSDEC Spill #0306591, 165 Charles Street, New York, New York, dated October 2004 prepared by Langan, documenting the removal of petroleum-contaminated soil and water during construction activities (the report also includes Phase I and II Environmental Site Assessment Reports from 2002 and 2003); and,

Letter, dated August 2, 2006, from Langan re-submitting the closure plan, documenting the completion of construction and remedial activities at the site, and requesting closure of the spill.

The information submitted indicates the following activities relating to spill cleanup were conducted at the site from December 2003 to April 2004:

- excavation of soils from the entire site footprint to a depth of 14 to 21 feet below grade to accommodate the construction of a 16-story building and its basement;
- off-site disposal of approximately 2,800 tons of petroleum-contaminated soils;
- collection and disposal of groundwater generated from dewatering operations;
- post-excavation sampling of the excavation bottom to determine the extent of cleanup; and,
- installation of a high density polyethylene(HDPE) water and vapor barrier beneath the building foundation to prevent potential vapor intrusion.

While some residual contamination was noted in the endpoint samples from the excavation, the concentrations are considered to be relatively low and the area is now covered by site buildings and the HDPE barrier. M.Brand NYSDEC DER Albany.

08/17/2006: Spill closed based on review of information submitted by Langan Engineering. No further action letter sent (also faxed to Joel Landes at Langan). M.Brand NYSDEC DER Albany.

**Map Identification Number 160**      **SERVICE BOX 26200**  
21 BARROW ST

MANHATTAN, NY

**Spill Number: 9900023**

**Close Date: 04/26/1999**  
TT-Id: 520A-0092-604

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 2310 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: Affected Persons  
Caller Name: STEPHEN CRIBBIN  
DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN  
Notifier Name: STEPHEN CRIBBIN  
Caller Agency: CON ED  
Contact for more spill info: STEPHEN CRIBBIN

Spiller Phone:  
Notifier Phone: (212) 580-6763  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 04/01/1999       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN MATERIAL | OTHER               | 20.00            | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

MATERIAL IS A GREEN LIQUID AND HAS BEEN CONTAINED IN SERVICE BOX

SAMPLES HAVE BEEN TAKEN - CLEANUP PENDING RESULTS - CON ED #123989

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
DEC Inspector notes:

Stan P. ERT mixture of green substance and water = 20 gallons. Fully contained- service box has no sewer connections. Believed to be anitfreeze. Sample taken for ID 1 requested results when received.

Con ed e2mis:

Approx. 20 gals of an unknown green fluid. Fluid is contained to the S/B. Didn't enter any waterways or sewer systems.

PCB < 1ppm, No AROCLOR

Called chem lab to check if sample was accepted.

Resolution pending results of investigation.

Chem lab reports only PCB sample received at lab.

No indication at chem lab if ID sample was taken.

**Map Identification Number 161**      **MANHOLE 46247**  
CANAL ST/6TH AVE

MANHATTAN, NY

**Spill Number: 9808595**

**Close Date: 10/25/2002**  
TT-Id: 520A-0101-628

#### MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2315 feet to the SSE

#### ADDRESS CHANGE INFORMATION

Revised street: CANAL ST / AVENUE OF THE AMERICAS  
Revised zip code: 10013

Source of Spill: UNKNOWN  
Notifier Type: Local Agency  
Caller Name: MIKE CESARE  
DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN  
Notifier Name: HEFFERNAN  
Caller Agency: CON EDISON  
Contact for more spill info: MIKE CESARE

Spiller Phone:  
Notifier Phone: (212) 580-6764  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/10/1998        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 20.00            | GALLONS                 | 20.00              | GALLONS             | SOIL                 |



Caller Remarks:

material discovered in manhole and has been contained - source unknown - sample taken - clean up will ensue - case #120446

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
Con Ed e2mis #120446:

If this is a Con Edison manhole it contains electrical cable and splices. Many manholes have a sealed sump in the floor which is used to allow runoff when pumping the structure. A hose is placed in this sump and water on the floor will flow into the sump allowing the floor to be cleaned. If cleaned prior to analysis of the fluid, the structure will be cleaned as >50 PPM and all liquid and waste will be manifested accordingly. The structure will be double washed with a degreaser, i.e. Slix. All cleaning material and PPE will also be treated as >50. If any sludge is found within a manhole it is treated as lead contaminated and manifested accordingly. The spill identification tag will remain secured to the structure until the analysis is completed and if <500 PPM the signage will be removed. If the analysis is >499 PPM, a grid will be prepared for wipe testing the area. Until the analysis of the wipes are proven to be <10ugs/100cm<sup>2</sup> all additional waste produced from the structure will be treated as the original analysis. If this spill occurred in a transformer vault containing a sump pump and there was a possible release, the drainpipe trap will be dismantled to determine if oil was released. Sludge found in a vault, through historical analysis, has been determined not to contain lead.

10/10/1998 1718 HRS

NICOIS 17477 F.O.D. REPORTS:

FOUND APPROX. 20 GALS OF UNKNOWN OIL MIXED WITH APPROX. 300 GALS. OF WATER IN M46247, W/INT CANAL ST & SIXTH AVE. SAID SPILL

WAS CONTAINED TO STRUCTURE, NO ENTRY TO SEWER OR WATERWAY, NO SEWER CONNECTION IN STRUCTURE, NO CRACKS OR SUMPS. A SAMPLE WAS TAKEN, AND TAG# 18123 WAS PLACED. INCIDENT REPORTED TO J. COSTA #9 DESK. CIG OPERATOR CESARE NOTIFIED @1738 HRS.

10/11/98 01:00 SHIFT MGR A.ZIC REPORTS ORDERED TANKER FOR 0700 ON SUN 10/11/98. HAVE EPA # ISSUED BY E.R.T OF NYP004018958.

10-11-98 16:00

Cleanup started on 10-11-98 at 0830 hours, supervised by J.McCabe 00305. 3500 gallons oily water removed via tanker, MH makes water. At 1500 hours job stopped as per R.Zoeller, will be followed up on Tuesday 10-13-98. Crew: M.Brotko 10504, J.Hinojosa 16383, J.Pelzer 06470, A.Pizarro 14791, and P.Rubino 69511. 98-10911 PCB 29 PPM

Date: Tuesday, 27 October 1998 10:05am ET

To: WINUS.E, BYRNES.J, ZOELLER.R, MANH-LAB-RESULTS

From: CHEMLIMS@CONED00

CONSOLIDATED EDISON

TECHNICAL SERVICES LABORATORY

SYSTEM & TRANSMISSION OPERATIONS ELAP# 10380

Lab Sequence Number: 98-11100-001

Date Reported: 10/27/98

E2MIS Incident Number: 120446

Date Analyzed: 10/20/98

Date Received: 10/15/98

Date Sampled: 10/14/98

Description: WATER/OIL-M/H #46247: W/INT CANAL ST & 6TH AVE.

\*\*\* TCLP Results Of Analysis \*\*\*

Description: MANHOLE # 46247

Location: W/INT CANAL ST. & 6TH AVE

METALS: USEPA SW846 6010/HG7471A/1311

VOLATILES: USEPA SW846 8260/624/1311

Arsenic <0.05 PPM

Benzene <1 ug/L

Barium 0.32 PPM

Carbon Tetrachloride <1 ug/L

Cadmium <0.05 PPM

Chlorobenzene <1 ug/L

Chromium <0.05 PPM

Chloroform <1 ug/L

Lead <0.05 PPM

1,2-Dichloroethane <1 ug/L

Mercury <0.001 PPM

1,1-Dichloroethene <1 ug/L

Selenium <0.05 PPM

Methyl Ethyl Ketone <20 ug/L

Silver <0.05 PPM

Tetrachloroethene <1 ug/L

Trichloroethene <1 ug/L

Vinyl Chloride <1 ug/L

HERBICIDES: USEPA SW846 8151/1311

1,4 Dichlorobenzene: <2 ug/L.

10/27/98 O.S. (UG) J. Byrnes # 62353 reports 3420 gals. Water removed to <50 tanker on 10/29/98 complete @ 20:00 hrs.

Structure has severe water leak. Water was resampled for PCB (ppb) and Total Petroleum Hydrocarbons. Tag #18123 was left in place pending lab.

11/03/98 CHEM LAB RESULTS: 11/03 98, 4:56 P.M -LAB SEQUENCE #98-11875 AROCLOR, NONE <1.0 UG/L

11-19-1998 17:00

RECEIVED LAB RESULTS AT 11:36 STARTED SHIFT AT 15:00 & E2MIS ON OUR COMPUTER WAS DOWN. P. BINDER WAS WORKING ON IT. FOR NOW WE HAVE TO USE ANOTHER COMPUTER.

LAB-SEQUENCE NUMBER 98-12524-001

AROCLOR - 1016 PCB - <1 UG/L 1

AROCLOR - 1221 PCB - <1 UG/L 1

AROCOLOR - 1232 PCB - <1 UG/L 1

AROCOLOR - 1242 PCB - <1 UG/L 1

AROCOLOR - 1248 PCB - <1 UG/L 1

AROCOLOR - 1254 PCB - 3.8 UG/L 1

AROCOLOR - 1260 PCB - <1 UG/L 1

WAS UNABLE TO PUT ALL THIS INFO. IN THE EVENT MATERIAL HISTORY SCREEN. IT WOULD NOT TAKE IT WHEN I WENT TO SAVE IT. SO I JUST PUT THE FIRST ONE.

O.S. (UG ) J. Byrnes reports clean up complete in MH 46247 W/BL Canal St. & 6 Ave on 11/24/98 @ 11:00 hrs.

<1 ppm PCB. Used flush truck to clean & rinse structure

Removed 30,600 gals. water to <50 tankers

Generated 1 drum Oil soaked Asbestos (<25 linear feet)

Generated 11 drums PPE. Spill tag #18123 left in place due to water leak in structure-pending revault to seal. Hand scrubbed walls, floor and cable in this structure.

**Map Identification Number 162**      **MANHOLE 46253**  
CANAL ST/6TH AVE

MANHATTAN, NY

**Spill Number: 0103843**

**Close Date: 08/23/2001**  
TT-Id: 520A-0101-627

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2315 feet to the SSE

**ADDRESS CHANGE INFORMATION**

Revised street: CANAL ST / AVENUE OF THE AMERICAS  
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN  
Notifier Type: Other  
Caller Name: STEVE ROMERO  
DEC Investigator: KMFOLEY

Spiller: UNKNOWN  
Notifier Name: MR PELLIGRINO  
Caller Agency: CON EDISON  
Contact for more spill info: STEVE ROMERO

Spiller Phone:  
Notifier Phone: (212) 580-6765  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|-------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 07/10/2001        |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled  |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| UNKNOWN PETROLEUM |                     | PETROLEUM      | 1.00                    | GALLONS | 0.00                | GALLONS | SOIL                 |

Caller Remarks:

1 GAL OIL ON 200 GALS WATER CONTAINED IN MANHOLE. CON ED REPORTING DUE TO FACT THEY COULD NOT CLEAN UP WITHIN 24 HOUR TURNAROUND.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"  
CON ED E2MIS REPORT 7-10-01

1gal. of unknown oil found on top of 200gals. of water in MH46253. No sewr or waterway affected, no fire in structure. Sump could not be verified. Source/cause of spill unknown. 2 samples taken one for oil ID and one for PCB.

Arrangements have been made to have Mh cleaned @2300hrs. Over 50 tanker Flush truck ordered for the clenaup. The cleanup was set up for the midnight shift due to the location of the manhole and traffic conditions.

LSN 01-07197-001

Aroclor 1242 <1ppm

Aroclor 1254 <1ppm

Aroclor 1248 <1ppm

Aroclor 1260 <1ppm

2027hrs.

Insufficient amount of sample extracted to perform oil identification.

7-11-01 1051hrs.

Cleanup will not be completed by 13:06hrs. the third tanker arrived at approx. 10:30hrs. and they are still pumping out the manhole and will not make the deadline for the 24hr. cleanup. The incident has now been declassified from a 24hr. spill to a "Spill-Unknown Oil" as of 10:55hrs.

1425hrs.

Cleanup completed. Double washed with slix and removed one barrell of PPE, 7600gal. of water/oil mix.

**Map Identification Number 163**      **UNDERGROUNDS AT**  
151 HUDSON ST

NEW YORK CITY, NY

**Spill Number: 9710829****Close Date: 02/19/2003**

TT-Id: 520A-0100-275

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2316 feet to the S

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING

Notifier Type: Affected Persons

Caller Name: PAUL SAVAGE

DEC Investigator: ABDELSADEK

Spiller:

Notifier Name: PAUL SAVAGE

Caller Agency: TENNANT

Contact for more spill info: PAUL SAVAGE

Spiller Phone:

Notifier Phone: (212) 925-4316

Caller Phone: (212) 925-4316

Contact Person Phone: (212) 925-4316

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 12/22/1997       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #2 FUEL OIL      | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

## Caller Remarks:

caller is tennant at the above adress-tank has been filled several times lately anda strong odor of petroleum is noticeable. odor is

coming from basement of bldg. alternate contact person gary johnson

212-966-2207-caller asking for immediate response from dec.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 164**     **205829; 149 HUDSON ST**  
149 HUDSON ST

, NY

**Spill Number: 0890058**

**Close Date: 06/14/2007**  
TT-Id: 520A-0214-770

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 2338 feet to the S

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: Unassigned

Spiller: ERT DESK - CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 05/11/2007       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| DIELECTRIC FLUID | PETROLEUM           | 0.13             | GALLONS                 | 0.00               | GALLONS             | UTILITY              |

## Caller Remarks:

M37270 - 149 HUDSON ST ( BEACH ST) - CABLE OIL

Closed: Agency Approval Not Required

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 165**     **WEST BROADWAY**  
AND GRAND ST

MANHATTAN, NY

**Spill Number: 9906261**

**Close Date: 08/30/1999**  
TT-Id: 520A-0099-340

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2375 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: WEST BROADWAY / GRAND ST

Revised zip code: 10013

Source of Spill: UNKNOWN

Notifier Type: Fire Department

Caller Name: FF MCSHEEHY

DEC Investigator: MCTIBBE

Spiller: UNKNOWN

Notifier Name: FF MCSHEEHY

Caller Agency: FDNY

Contact for more spill info: FF MCSHEEHY

Spiller Phone:

Notifier Phone: (917) 769-0402

Caller Phone: (917) 769-0402

Contact Person Phone: (917) 769-0402

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 08/26/1999       |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| RAW SEWAGE       |                     | OTHER          | 0                       | GALLONS | 0                   | GALLONS | SOIL                 |

Caller Remarks:

2-3 feet of water with raw sewage on the streets

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"  
FAXED TO NYCDEP. CALLED FD. REFERED TO NYC DEP.

**Map Identification Number 166**      **OUTSIDE**  
214 SULLIVAN ST

MANHATTAN, NY

**Spill Number: 0602144**

**Close Date: 05/30/2006**  
TT-Id: 520A-0097-516

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2375 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Affected Persons

Caller Name:

DEC Investigator: HRPATEL

Spiller: UNKNOWN NAME - CONSOLIDATED BOILER

Notifier Name:

Caller Agency:

Contact for more spill info: FLETCHER LIEGERGO

Spiller Phone: (718) 931-8300

Notifier Phone:

Caller Phone:

Contact Person Phone: (917) 913-4295

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 05/26/2006       |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| UNKNOWN MATERIAL |                     | OTHER          | 0                       | GALLONS | 0                   | GALLONS | AIR                  |



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Caller Remarks:

THERE WAS BLACK SMOKE COMING FROM THIS TRUCK AND THE SMOKE FILLED THE WHOLE STREET. THEY WERE DOING WORK ACCROSS FROM THE CAFE. THEY ARE NOT THERE NOW.

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## DEC Investigator Remarks:

05/30/06-Hiralkumar Patel. Received during off hours duty on Friday May 26, 2006. Spoke to Fletcher. as per him, at the time of conversation, there was no smoke in street. but he saw one truck across the street and smoke was coming behind that truck and as per him, they were doing some kind of construction/maintenance work. he called 311 also.

case closed.

**Map Identification Number 167**      **MANHOLE #37270**  
HUDSON ST/HUBERT ST

MANHATTAN, NY

**Spill Number: 9912747**

**Close Date: 07/10/2003**  
TT-Id: 520A-0090-188

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2378 feet to the S

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Affected Persons

Caller Name: RICHARD ROACH

DEC Investigator: COMENALE

Spiller: UNKNOWN

Notifier Name: MIKE CROW

Caller Agency: CON EDISON

Contact for more spill info: RICHARD ROACH

Spiller Phone:

Notifier Phone: (212) 580-6764

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

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| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 02/09/2000 |                     | UNKNOWN        | NO                      | NO                  |

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| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

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## Caller Remarks:

CON ED SPILL #129901 / CON ED WORKERS FOUND 1 QUART OF AN UNKNOWN PETROLEUM IN THE ABOVE MANHOLE - SAMPLES WERE TAKEN AND CLEAN WILL BE PENDING TEST RESULTS

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DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 168 HUDSON RIVER**  
PIER 49 TO ELLIS ISLAND

MANHATTAN, NY

**Spill Number: 9601807**

**Close Date: 05/06/1996**  
TT-Id: 520A-0101-900

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 2381 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: UNKNOWN

Source of Spill: UNKNOWN  
Notifier Type: Other  
Caller Name: PETTY OFFC. ADAMS  
DEC Investigator: JMKRIMGO

Spiller: UNKNOWN - UNKNOWN  
Notifier Name: PATROL BOAT  
Caller Agency: U.S. COAST GUARD  
Contact for more spill info: PETTY OFFC ADAMS

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 668-7920  
Contact Person Phone: (212) 668-7920

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 05/06/1996 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled   | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|--------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| WASTE OIL/USED OIL | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SURFACE WATER        |

Caller Remarks:

1/2 mile x 3 feet - possible bilge pumping - breaking up now on it's own

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"  
UNRECOVERABLE - DISAPATED BY RAIN AND WIND.

**Map Identification Number 169 MH 46247**  
CANAL ST/LAIGHT ST

MANHATTAN, NY

**Spill Number: 0100783**

**Close Date: 04/30/2001**  
TT-Id: 520A-0090-589

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2382 feet to the SSE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: CHARLIE MCCARTHY  
DEC Investigator: KMFOLEY

Spiller: UNKNOWN - UNKNOWN  
Notifier Name: BOB PELLEGRINO  
Caller Agency: CON EDISON  
Contact for more spill info: CHARLIE MCCARTHY

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 580-6765  
Contact Person Phone: (212) 580-6765

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date                 | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |  |
|----------------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|--|
| 04/19/2001                 |                     | UNKNOWN          | NO                      |                    | NO                  |                      |  |
| Material Spilled           | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |  |
| UNKNOWN HAZARDOUS MATERIAL | HAZARDOUS MATERIAL  | 3.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |  |

**Caller Remarks:**

3 gal. on 500 gal of water...ref #136547. samples taken clean up pending.

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"  
CON ED E2MIS REPORT 4-19-01

Approx. 3gals. of unkown oil on approx. 500gal. water. 2 liquid samples and 2 wipe samples taken.

Conduit plate shows no drain 10-H-4

No oil was recovered from the sample of water, no oil ID is possible. Analysis of the sample from the absorbing pad indicates the presence of an oil similar to a lubricating oil- grease.

4-20-01 19:05hrs.

Cleanup of this MH began with an over 50 tanker at 05:50hrs. 4-20-01. First tanker remoed approx. 3,700gals. of water. Second tanker requested. Lab results came back <50ppm. Second tanker will be an under 50 tanker. UG Sup. reported that second tanker removed approx. 5,000gals. of water.

Water via Grab sample

Total PCB = <1.0ppm

Solid vis Grab sample

Total PCB= 12.9ppm

Solid amount 1 barrel

Vehicle type: supply truck

Liquid amount: 8400gals.

Vehicle type: tanker.

**Map Identification Number 170**      **HOLLAND TUNNEL EXIT**  
NEW YORK BOUND ROTARY

NEW YORK CITY, NY

**Spill Number: 9906711**

**Close Date: 02/24/2003**  
TT-Id: 520A-0101-630

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (4)  
Approximate distance from property: 2408 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: 10013

Source of Spill: PASSENGER VEHICLE  
Notifier Type: Affected Persons  
Caller Name: HAL ROBERTS  
DEC Investigator: TOMASELLO

Spiller: UNKNOWN  
Notifier Name: RICK MANGUM  
Caller Agency: PORT AUTHORITY OF NY & NJ  
Contact for more spill info: HAL ROBERTS

Spiller Phone:  
Notifier Phone: (201) 714-7438  
Caller Phone: (201) 714-7438  
Contact Person Phone: (201) 714-7438

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date         | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|--------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 09/05/1999         |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled   | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| TRANSMISSION FLUID | PETROLEUM           | 1.00             | GALLONS                 | 1.00               | GALLONS             | SOIL                 |

## Caller Remarks:

Passing car with transmission fluid leak - less than 1 gallon - all cleaned up

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 171**    **VACANT PROPERTY**  
176 PERRY ST

MANHATTAN, NY

**Spill Number: 0008119**

**Close Date: 12/31/2004**  
TT-Id: 520A-0095-372

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2427 feet to the N

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Local Agency  
Caller Name: RAY KAHN  
DEC Investigator: MXTIPPLE

Spiller: UNKNOWN - UNKNOWN  
Notifier Name: RAY KAHN  
Caller Agency: ESPL ENVIRONMENTAL  
Contact for more spill info: UNK

Spiller Phone:  
Notifier Phone: (212) 363-3775  
Caller Phone: (212) 363-3775  
Contact Person Phone: (000) 000-0000

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/11/2000        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

## Caller Remarks:

during excavation soil contamination was discovered - unk where it is from - or what it is

soil will be excavated

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"  
CONTAMINATED SOILS FOUND DURING EXCAVATION

TANKS WERE FOUND DURING EXCAVATION, THEY WERE REGISTERED, PUMPED CLEAN AND REMOVED BY FENLEY AND NICHOL, END PIONT SAMPLES WERE TAKEN AND TESTED

1/10/01 ESPL ENVIRONMENTAL RAY KAHN IS WORKING ON THE PROJECT.

A FULL ANALYSIS WAS DONE ON THE EXCAVATED SOIL FOR DISPOSAL AT CLEAN EARTH IN PHIALDELPHIA PA. WHERE IT WAS DEEMED NON-HAZARDOUS.

A REPORT IS BEING PREPAIRED FOR SUBMITTAL

5/29/03 TIPPLE CALLED RAY KAHN REQUESTING SUBMITTAL

12/16/04 tippie spoke with Ray Kahn, he will send report.

12/31/04 Tipple reviewed documentation, NFA necessary

**Map Identification Number 172**     **MANHOLE 46243**  
IFO 55 6TH AV

MANHATTAN, NY

**Spill Number: 0105673**

**Close Date: 07/23/2003**  
TT-Id: 520A-0094-232

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2466 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: STEVEN ROMERO  
DEC Investigator: AERODRIG

Spiller: UNKNOWN  
Notifier Name: MR BOOMER  
Caller Agency: CON ED  
Contact for more spill info: STEVEN ROMERO

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 08/27/2001        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

10 OUNCES ON 100 GALLONS OF WATER. CON ED# 139132.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "RODRIGUEZ"

E2MIS 139132

@04:32 hrs R.Canneer #19887 m/s found 10 oz of unknown oil and 100 gal of water in m46243 while inspection for telgy, and reported to W.Lee #33243 mcc at 04:39 hrs. no fire, no private property affected, no waterway/sewer affected, standing water, no sump pump running, no substantial cracks. cause of spill unknown, no sewer connection, no visual water movement. took two samples one for PCB and one for oil ID.

logger: W.Lee #33243

call cig: @05:10 hrs J.Fox 07887

Update: 08/27/01

Due to traffic conditions clean up crews will not have access to this location ( 2nd lane of traffic) this clean up is declassified. And will be started at midnight tonight

Analysis indicates the presence of a substance similar to a lubricating oil.

Lab Sequence #01-08563-001

Date Approved: 8/27/01 @ 10:53 hrs.

Date Received & Sampled: 8/27/01

PCB Analysis:

Aroclor PCB (in ppm)

1242 < 1.0

1254 33.9

1248 0.0

1260 < 1.0

Total PCB = 34 ppm

Update 08/29/01

As of 05:30 clean up comp. As per M.Baratta #19813 U.G Supv.

He reports MH46243 was power washed twice and used slix.

Also reports tanker took on approx. 750 gallons waste water and oil And also states that two drums of ppe.& debris filled.

Listing of clean up crew is posted in "EVENT INVOLVED PERSON" site.

**Map Identification Number 173**      **MANHOLE # 46243**  
IFO 55 6TH AVE

MANHATTAN, NY

**Spill Number: 0003902**

**Close Date: 04/09/2004**  
TT-Id: 520A-0094-231

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2466 feet to the SSE

**ADDRESS CHANGE INFORMATION**

Revised street: IFO 55 AVENUE OF THE AMERICAS  
Revised zip code: 10013

Source of Spill: UNKNOWN  
Notifier Type: Local Agency  
Caller Name: JIMMIE FOX  
DEC Investigator: JHOCONE

Spiller: UNKNOWN - UNKNOWN  
Notifier Name: MR TIMMONS  
Caller Agency: CON ED  
Contact for more spill info: JIMMIE FOX

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 06/29/2000       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN MATERIAL | OTHER               | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

**Caller Remarks:**

1 gal unk material - on 100 gals water - sample taken - clean up pending labe results

no con ed # yet

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
e2mis no. 132115:

1-galon of unknown fluids with 100 gallons of water in m-46243. no sewer connection as per conduit plates. Clean up pending lab results.

LAB SEQ#00-06335 PCB 32 PPM



date: JULY 27, 2000

Time: 4:00 AM

Cleanup Info. OIL AND WATER REMOVED VIA TANKER, FLUSH TRUCK FROM ENVIRONMENT OPERATIONS USED A HIGH PRESSURE HOSE TO DOUBLE WASHED THE FLOOR AND WALLS WITH BIO-GENESIS (SLIX), MANHOLE WAS THEN RINSED BY FLUSH TRUCK.

Spill Source: UNKNOWN

**Map Identification Number 174**      **6TH PRECINCT NYPD -DDC**  
233 WEST 10TH STREET

MANHATTAN, NY

**Spill Number: 0401426****Close Date: 06/15/2005**

TT-Id: 520A-0091-520

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2469 feet to the NNE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Responsible Party

Caller Name: LARRY COSTA

DEC Investigator: JAKOLLEE

Spiller: ERT DESK - IN SOIL

Notifier Name: LARRY COSTA

Caller Agency: CON ED

Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383

Notifier Phone: (212) 580-6763

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 05/05/2004       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| GASOLINE         | PETROLEUM           | 0                | POUNDS                  | 0                  | POUNDS              | SOIL                 |

Caller Remarks:

UNSURE CAUSE WAITED TO FILE TIL TEST RESULTS WERE DONE: CLEAN UP WILL BE STARTING, NO TO 5 QUESTIONS:

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KOLLEENY"

5/11/04: spoke with Glenn Newell, Con Ed Construction Management. Con Ed was excavating for new electric ducts in front of police station at above location - noted strong gasoline odor in soil. No staining seen. Lab results came back 11,200 ppm TPH for

gasoline. There is a gas tank at the police station. Referred to Kolleeny (DDC monitor) for follow up. (JHO)

Con Ed e2mis report # 153304:

05/11/04 09:27 R. Harris #20059 of const. mgmt. notified the control center that in a excavation f/o 102 Charles St, that due to a strong odor of gasoline in the excavation, the chem lab was called and a sample was taken. For the purposes of this report, we are using 1 gallon of gasoline for the amount of spill since it was never determined. The results of the sample, which was posted today (5/11/04) show 11,200 PPM of gasoline in the soil. The excavation is approx. 30x2 ft. There are gasoline pumps across the street. The excavation is plated and barricaded. The source and cause of the spill is unknown.

This is a 3rd party spill. There was no initial cleanup taken.

This spill was discovered in an excavation in the street behind the 6th police precinct (at the Charles Street entrance to parking lot). URS is operating an SVE system to address soil contamination at the site; the system will be modified to target this area, to the extent feasible. - J. Kolleeny 3/22/05.

See open spill no. 9212918, under which remediation of this site pursuant to DDC consent order is being tracked. - JK 6/15/05

6/15/05: URS installed new vapor extraction well in sidewalk to address fill port area and try to address this area of soil contamination Con Ed encountered in the street. They resumed operating SVE system using this new well in January 2005. This spill is being closed to consolidate with open spill 9212918, under which site remediation pursuant to DDC consent order is being tracked. - JK

**Map Identification Number 175**      **209253; CORNELIA ST ST**  
CORNELIA ST ST

, NY

**Spill Number: 0890329**

**Close Date: 12/29/2007**  
TT-Id: 520A-0218-719

#### MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 2473 feet to the NE

#### ADDRESS CHANGE INFORMATION

Revised street: CORNELIA ST / W 4TH ST  
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: Responsible Party  
Caller Name:  
DEC Investigator: Unassigned

Spiller: ERT DESK - CON EDISON  
Notifier Name:  
Caller Agency:  
Contact for more spill info: ERT DESK

Spiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone: (212) 580-8383

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 12/27/2007 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| DIELECTRIC FLUID | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | UTILITY              |

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 Caller Remarks:

TM-423 2 CORNELIA ST SPILL- TRANSFORMER OIL  
 Closed: Agency Approval Not Required

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 DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 176**     **PRINCE STREET**  
 PRINCE ST & WOOSTER ST

MANHATTAN, NY

**Spill Number: 9608107**

**Close Date: 10/02/1996**  
 TT-Id: 520A-0090-942

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2481 feet to the ESE

## ADDRESS CHANGE INFORMATION

Revised street: PRINCE ST / WOOSTER ST  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Local Agency  
 Caller Name: CHANTEL VINSON  
 DEC Investigator: ADZHITOM

Spiller: UNKNOWN  
 Notifier Name: BRAD MANNS  
 Caller Agency: DEP  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone: (212) 374-5500  
 Caller Phone: (718) 595-6777  
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

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| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 09/30/1996 |                     | UNKNOWN        | NO                      | NO                  |

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| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #2 FUEL OIL      | PETROLEUM      | 150.00           | GALLONS | 0.00               | GALLONS | SOIL                 |

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 Caller Remarks:

caller stated that fire dept called. found spill in road from unk. origin.some spillage may have made it to storm drain.

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 DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ZHITOMIRSKY"

**Map Identification Number 177**      **GAS STATION**  
CHARLES ST AND HUDSON ST

MANHATTAN, NY

**Spill Number: 9805911****Close Date: 10/09/1998**  
TT-Id: 520A-0090-963

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2482 feet to the NNE

## ADDRESS CHANGE INFORMATION

Revised street: CHARLES ST / HUDSON ST

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION

Notifier Type: Local Agency

Caller Name: MARY SCSTALZER

DEC Investigator: O'DOWD

Spiller: UNKNOWN

Notifier Name:

Caller Agency: DEP

Contact for more spill info: JESSICA MADOR

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 595-6777

Contact Person Phone: (212) 929-5501

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 08/12/1998 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| GASOLINE         | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | AIR                  |

## Caller Remarks:

strong odor of gas discovered during excavation

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

**The following DEC Investigator Remarks were available prior to 1/1/2002:**

8/18/98 9:35 AM WENT TO SITE. MET WITH HOWARD/IDI CONSTRUCTION. LAST WEEK THERE WAS A SPILL OF HYDRAULIC OIL IN FRONT OF 239 WEST 10 STREET. ALL CLEANED UP. FIRE DEPT AND DEP HAD ALREADY BEEN THERE. H2M CALLED IN SPILL NUMBER 9805274-SIGONA- FOR CONTAMINATED SOIL FOR TANK REMOVAL JOB. NO GASOLINE VAPORS DETECTED FROM S/S.

**Map Identification Number 178**      **CONSTRUCTION SITE**  
PERRY STREET+WEST STREET

MANHATTAN, NY

**Spill Number: 0008199**

**Close Date: 06/16/2003**  
TT-Id: 520A-0090-688

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2489 feet to the N

## ADDRESS CHANGE INFORMATION

Revised street: PERRY STREET/WEST STREET

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Citizen

Caller Name: JOE HARRIS

DEC Investigator: SACCACIO

Spiller: N/A - GOTHAM COMPANY

Notifier Name: SEE SPILL# 0008119

Caller Agency: CITIZEN

Contact for more spill info: GOTHAM COMPANY

Spiller Phone:

Notifier Phone:

Caller Phone: (516) 839-7258

Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/12/2000       |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| GASOLINE         | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

## Caller Remarks:

FORMER GAS STATION THEY ARE DIGGING UP THE 7 TANKS AT THE SITE

AND THEY WILL BE REMOVED.THEY ARE TAKING AWAY DIRT OFF THE SITE THAT IS CONTAMINATED.THEY ARE DEWATERING THE AREA AND PUMPING THE

MATERIAL DOWN THE STORM DRAIN.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 179**      **COMMERCIAL PROPERTY**  
325 WEST BROADWAY

NEW YORK, NY

**Spill Number: 0613123**

**Close Date: 07/24/2007**  
TT-Id: 520A-0098-903

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2494 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Other  
 Caller Name:  
 DEC Investigator: hrpatel

Spiller: UNKNOWN.  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: ANDREW RUDKO

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (646) 388-9526

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 03/05/2007       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #2 FUEL OIL      | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

Caller Remarks:

WHEN REMOVED TANK AND CONCRETE OIL CONTAMINATION FOUND ON SOIL; NOT YET CLEANED;

DEC Investigator Remarks:

03/08/07-Hiralkumar Patel. left message for Maggi Douglas (646-388-9530) at AKRF (Andrew is on vacation till 03/21).

03/12/07-Hiralkumar Patel. received message from Mircus Simons (646-388-9527) from AKRF. spoke with Mr. Simons. Mr. Simons is handling this in Mr. Rudko's absence. they found contaminated soil after removing tank from site, removed some contamination, but as per Mr. Simons, there is no possibilities to remove all contamination as it is deeper than building foundation. asked Mr. Simons to send scaled site plan with sampling locations and sample analyticals. also asked him to send property owner's contact name and number. Mr. Simons will email these informations.

03/19/07-Hiralkumar Patel. received email from Mr. Simons (MSimons@akrf.com) containing Phase II report, copy of letter from Brookside environment and photographs after tank removal. abstract:

- planned developement of site involves a conversion of former factory into a residential building
- phase-II done in Dec. 2005
- 1000 gal tank enclosed in concrete vault was located in the southwestern portion of basement
- groundwater mostly likely flows in a westerly direction towards the Hudson river
- seven soil borings advanced to groundwater, which was encountered at a depth of approx. 15 ft below street grade, or about five ft below basement floor
- soil sample was not collected at SB-7
- four groundwater sample collected at four soil borings (SB-2, SB-3, SB-5 and SB-7)
- elevated PID readings were recorded in soil samples collected from SB-1, SB-2 and SB-3 at conc. ranging from 35 to 130 ppm
- sheen and petroleum like odors were observed in soil collected from SB-1, SB-2 and SB-3 at depths ranging from 1 to 8 ft bg
- trace level of petroleum related compounds were detected in the groundwater sample from SB-2, next to UST.

- found SVOC contamination in two samples (SB-2 and SB-6)

|                      | SB-2     | SB-6      | limit  |
|----------------------|----------|-----------|--------|
|                      | (2-4 ft) | (9-10 ft) |        |
| 2-Methylnaphthalene  | 52,000   |           | 36,400 |
| Chrysene             | 1,700    | 2,400     | 400    |
| Anthracene           |          | 2,400     | 224    |
| Benzo(a)pyrene       |          | 1,500     | 61     |
| Benzo(b)fluoranthene |          | 2,200     | 1,100  |

- found mercury in sample SB-1 (6-8 ft): 0.386 ppm, SB-6 (9-10 ft): 0.297 ppm

Mr. Simons has also sent copy of letter from Brookside environmental. Brookside has removed 2500 gal tank from site.

spoke with Mr. Simons. he mentioned that when they did phase-II in Dec. 05, tank was at location. and as tank was enclosed in concrete vault, they were not sure about size of tank and reported a 1000 gal tank, but it was actually 2500 gal tank. Mr. Simons also mentioned that after removing tank, Brookside found contaminated soil under tank location, but could not remove everything considering building structure. he is not sure any endpoint samples taken before backfilling excavation. photographs taken after tank removal shows stains on wall and floor.

Mr. Simons doesn't know why AKRF didn't reported this contamination back in Dec. 05 when they originally found during phase-II work. he will ask Mr. Rudko (646-388-9526, ARudko@akrf.com) to call.

left message for Brian Gaudreault (516-377-6300) at Brookside environmental.

spoke with Grant Kletter, property owner. he doesn't know about tank registration or soil testing after tank removal.

Grant Kletter  
ADG-SoHo LLC.  
645 Madison Avenue  
14th Floor  
New York, NY 10022  
Ph. (212) 752-4311 (O)  
(646) 325-6381 (C)  
Fax (212) 752-4664  
email: gkletter@adgcapital.com

alternate site addresses:

327 W. Broadway  
329 W. Broadway  
23 Wooster Street  
25 Wooster Street

no PBS record found.

03/21/07-Hiralkumar Patel. sent letter to Mr. Kletter requiring tank registration, soil/groundwater delineation, soil endpoint samples and vapor barrier installation. letter emailed to Mr. Kletter and Mr. Rudko.

03/22/07-Hiralkumar Patel. received message from Mr. Rudko. spoke with Mr. Rudko. tank was located in basement and was sitting on soil (not concrete) inside concrete vault along foundation wall between two properties. property on other side of wall is also under development. as per Mr. Rudko, soil under tank location is contaminated. asked Mr. Rudko to take some soil/groundwater samples in that property also to confirm any contamination and soil/groundwater sample on downgradient side of tank location (need to find site specific groundwater flow direction). asked Mr. Rudko to submit work plan with site plan including sampling locations.

04/03/07-Hiralkumar Patel. left message for Mr. Rudko to submit work plan for further delineation.

05/07/07-Hiralkumar Patel. spoke with Mr. Kletter. he will contact Mr. Rudko for updates.

06/01/07-Hiralkumar Patel. received call from Brian Dortch from AKRF. explained him that before any remediation approval, the department requires complete soil and groundwater delineation and based on that investigation, submission of remedial action plan. Brian will submit report.

06/21/07-Hiralkumar Patel. received call from Ms. Cam from Langan engineering. she is working at site at 311 W Broadway. site is under construction and during construction project, while digging northern area of site, they found petroleum contaminated soil. currently they have excavated about 9-10 ft bg and Ms. Cam mentioned that they found free product on groundwater, which is 2 more ft below excavation bottom (total 12 ft bg). the northern portion of construction site is along subject site at 325 W Broadway (which has contamination from leaking tank which has been removed).

Ms. Cam mentioned that they have finished foundation work in western part of their site. during excavation they found four 550 gal USTs on-site which used to be a gasoline tanks. these tanks were about 50 ft south of northern wall, where found contamination. Ms. Cam mentioned that construction site is CEQR (City Environmental Quality Review) designated and city DEP is regulating site. they did phase II investigation and found no contamination at that time. city DEP has approved phase II, RAP and health and safety plan. as per Ms. Cam, no oil stain or contamination found around gasoline tank location. tanks were enclosed in concrete vault. area of gasoline tank is still open. tanks were filled with water to the top, during removal and did PID survey below tank pad and found no high PID reading.

Ms. Cam mentioned that they are suspecting building at 325 w broadway as source site. asked Ms. Cam to provide data that shows contamination hasn't generated at their own site.

Langan engineering is planning full soil and groundwater delineation on-site. asked Ms. Cam to take one soil and one groundwater sample, in addition to samples requires for delineation, for fingerprint analysis to identify product in ground. also asked Ms. Cam to keep gasoline tank area open, as if fingerprint analysis finds gasoline in groundwater then the department requires soil/groundwater investigation at gasoline tank location.

asked Ms. Cam to submit copy of all reports available for construction site, which they have submitted to city DEP.



Ilkay Cam  
Langan Engineering  
Ph. (212) 479-5410

property owner for 311 W Broadway:  
United American Land  
contact: Albert Laboz  
Ph. (212) 431-7500

discussed with DEC Austin. he asked to open new spill case at construction site (311 W Broadway). new spill #: 0750445.

left message for Mr. Rudko requiring updates on soil/groundwater investigation.

06/22/07-Hiralkumar Patel. received message from Brian Dortch (646-388-9538) from AKRF. spoke with Brian. they took some samples from construction site (311 W Broadway site) and waiting for analytical results.

06/29/07-Hiralkumar Patel. spoke with Brian. he got analytical results and will email analytical data and rough site map.

07/24/07-Hiralkumar Patel. received Phase II report from AKRF. abstract:

- collected four soil samples from construction site at 311 W. Broadway at depth of 13 ft below sidewalk grade (site has been excavated to 10 ft below sidewalk grade)
- four borings were advanced inside subject building to groundwater, which was encountered at a depth of approx. 16 ft below street grade or about six ft below basement grade
- no contamination found in any (eight) soil samples or (four) groundwater samples
- recommends in-situ remediation of the fuel oil impacted soil beneath the site by injection of chemical oxidizing reagent as minor oil contamination is close to building foundation wall

from available reports, found that only contamination was at previous boring location SB-2 at depth 2-4 ft which is contained in soil and no contamination found in groundwater. based on available reports, case closed.

NFA sent to Mr. Kletter. letter emailed to Mr. Kletter and Mr. Rudko.

**Map Identification Number 180**      **MANHOLE 46243**  
47-61 AVE OF AMERICAS

MANHATTAN, NY

**Spill Number: 9808602**

**Close Date: 11/04/2003**  
TT-Id: 520A-0094-233

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2498 feet to the SSE

**ADDRESS CHANGE INFORMATION**

Revised street: 47-61 AVENUE OF THE AMERICAS  
Revised zip code: 10013

Source of Spill: UNKNOWN  
Notifier Type: Responsible Party  
Caller Name: FRANK MASSERIA  
DEC Investigator: CAENGELH

Spiller: FRANK MASSERIA - CON EDISON  
Notifier Name: MR RUSSO  
Caller Agency: CON EDISON  
Contact for more spill info: FRANK MASSERIA

Spiller Phone: (212) 580-6763  
Notifier Phone:  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/11/1998        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

UNK OIL FOUND IN MANHOLE FLOATING ON 15 GAL OF WATER. WILL BE TESTED - CLEANUP WILL ENSUE CON ED REFERENCE #120455

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"  
E2MIS 120455

OCT. 11, 1998 01:45hrs.

R. Oravec #15482 FOD reports on 10/11/98 @ 01:30 hrs. he found approx. 1 gallon of an unknown oil mixed with 15 gallons of water in mh-46243 47-61 Ave of The

Americas. He was there to I.D. fdr.# 22m67. The spill is contained and did not enter the waterways or sewers and no other impact. It is unknown if there is a

sump in this manhole. There is PILC cables in this structure.The cleanup is pending test results.

A sample was taken and tag# 19794 was installed.

This report was recorded by T. Russo #45348 @ MCC #9 desk.

C.I.G. FRANK MASSERIA #76972 notified by T. Russo #45348.

If this is a Con Edison manhole it contains electrical cable and splices. Many manholes have a sealed sump in the floor which is used to allow runoff when

pumping the structure. A hose is place in this sump and water on the floor will flow into the sump allowing the floor to be cleaned. If c9014

Double washed & rinsed structure

SA 98-10916 received <1. ppm PCB \_ No Aroclor

Removed Spill Tag #19794 upon completion

Crews: E. Hulser # 39723

V. Aponte # 59117, D. Ferguson #20474, W. Lindsay #19864

Detailed Description:

**Map Identification Number 181**      **155 WOOSTER ST**  
155 WOOSTER ST

NEW YORK, NY

**Spill Number: 9610806**

**Close Date: 02/24/2003**  
TT-Id: 520A-0092-373

#### MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)  
Approximate distance from property: 2514 feet to the E

#### ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Citizen  
Caller Name: CARLOTTA SCHOOLMAN  
DEC Investigator: TOMASELLO

Spiller: UNKNOWN  
Notifier Name: CARLOTTA SCHOOLMAN  
Caller Agency: CITIZEN  
Contact for more spill info: CARLOTTA SCHOOLMAN

Spiller Phone:  
Notifier Phone: (212) 420-5965  
Caller Phone: (212) 420-5965  
Contact Person Phone: (212) 420-5965

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 12/02/1996       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| GASOLINE         | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | AIR                  |

Caller Remarks:

caller stated that every time a long rain occures, she has an odor of gasoline present.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 182**

149 WOOSTER ST

MANHATTAN, NY

**Spill Number: 0306675****Close Date: 12/18/2003**

TT-Id: 520A-0099-365

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2522 feet to the ESE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Fire Department

Caller Name: DISP 809

DEC Investigator: MXTIPPLE

Spiller: UNKNOWN OIL COMPANY

Notifier Name: BATT. #2

Caller Agency: FDNY

Contact for more spill info:

Spiller Phone: (000) 000-0000

Notifier Phone:

Caller Phone: (212) 628-2900

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 09/24/2003       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #2 FUEL OIL      | PETROLEUM           | 5.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

**Caller Remarks:**

fire dept on scene spill is into the street and basement and fire dept is cleaning up

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"

Some oil from the spill may have gone into the building basement.

severe contamination found in tank room, tank must be removed/replaced cleanup with end point samples analyzed.

11/12/03 Ambassador fuel to send manifests and photos of cleaned area in tank room and sidewalk.

12/18/03 DOCUMENTATION ARRIVED//CONFERENCE CALL WITH OWNER ANF OIL CO. CLARIFIED GAL. DISCREPANCY//OWNER TO CORRECT FDNY CERTIFICATION

**Map Identification Number 183**      **124 PRINCE ST/MANHATTAN**  
124 PRINCE STREET

NEW YORK CITY, NY

**Spill Number: 9100052****Close Date: 04/11/1991**  
TT-Id: 520A-0094-204

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2544 feet to the ESE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Affected Persons

Caller Name: LISA LAM

DEC Investigator: TOMASELLO

Spiller: UNKNOWN

Notifier Name:

Caller Agency: TOOSIE PLOHOUND CO

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (212) 925-6641

Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 04/11/1991 | 04/11/1991          | UNKNOWN        | UNKNOWN                 | NO                  |

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

## Caller Remarks:

ODOR IN BASEMENT,CAUSING EYE IRRITATION,NEIGHBORS COMPLAINING OF SAME PROBLEM,PROBLEM WAS DISCOVERED 3 STORES DOWN THE BLOCK,PEOPLE WASHING FLOOR WITH BLEACH,FUMES CAME THROUGH TRAP IN BASEMENT.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

**The following DEC Investigator Remarks were available prior to 1/1/2002:**

10/10/95: This is additional information about material spilled from the translation of the old spill file: CHLORINE &amp; AMMONIA.

**Map Identification Number 184**      **CONSTRUCTION SITE**  
311 WEST BROADWAY

NEW YORK, NY

**Spill Number: 0750445****Close Date: 09/06/2007**  
TT-Id: 520A-0090-228

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2600 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Notifier Type: Affected Persons

Caller Name:

DEC Investigator: hrpatel

Spiller: UNK

Notifier Name:

Caller Agency:

Contact for more spill info: ALBERT LABOZ

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 431-7500

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 06/21/2007       |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| PETROLATUM       |                     | OTHER          | 0                       | UNKNOWN | 0                   | UNKNOWN | SOIL, GROUNDWATER    |

## Caller Remarks:

found contaminated soil at construction site.

## DEC Investigator Remarks:

06/21/07-Hiralkumar Patel. received call from Ms. Cam from Langan engineering. she is working at site at 311 W Broadway. site is under construction and during construction project, while digging northern area of site, they found petroleum contaminated soil. currently they have excavated about 9-10 ft bg and Ms. Cam mentioned that they found free product on groundwater, which is 2 more ft below excavation bottom (total 12 ft bg). the northern portion of construction site is along subject site at 325 W Broadway (which has contamination from leaking tank which has been removed).

Ms. Cam mentioned that they have finished foundation work in western part of their site. during excavation they found four 550 gal USTs on-site which used to be a gasoline tanks. these tanks were about 50 ft south of northern wall, where found contamination. Ms. Cam mentioned that construction site is CEQR (City Environmental Quality Review) designated and city DEP is regulating site. they did phase II investigation and found no contamination at that time. city DEP has approved phase II, RAP and health and safety plan. as per Ms. Cam, no oil stain or contamination found around gasoline tank location. tanks were enclosed in concrete vault. area of gasoline tank is still open. tanks were filled with water to the top, during removal and did PID survey below tank pad and found no high PID reading.

Ms. Cam mentioned that they are suspecting building at 325 w broadway as source site (spill #: 0613123). asked Ms. Cam to provide data that shows contamination hasn't generated at their own site.

Langan engineering is planning full soil and groundwater delineation on-site. asked Ms. Cam to take one soil and one groundwater sample, in addition to samples requires for delineation, for fingerprint analysis to identify product in ground. also asked Ms. Cam to keep gasoline tank area open, as if fingerprint analysis finds gasoline in groundwater then the department requires soil/groundwater investigation at gasoline tank location.

asked Ms. Cam to submit copy of all reports available fot construction site, which they have submitted to city DEP.

Ilkay Cam  
Langan Engineering  
Ph. (212) 479-5410  
email: icam@langan.com

property owner for 311 W Broadway:

Robert Reich  
311 W Broadway LLC.  
430 W Broadway, 3rd Floor  
New York, NY 10012  
Ph. (718) 796-4386  
Fax (212) 274-0500

spoke with Mr. Abbasi at Mr. Reich's office. he is controller working with Mr. Reich.

Shoaib Abbasi, controller  
email: shoaib@unitedaland.com

06/25/07-Hiralkumar Patel. visited site. met Smita from Langan Engineering. observed contaminated soil and sheen on water in excavation pit. Langan has took some soil and water sample for fingerprint analysis. asked Smita to do complete delineation including site specific groundwater direction. also asked not to do any concrete work in area where site had gasoline tanks until they had fingerprint analysis result. gasoline tanks were found more than 70 ft away from this contaminated zone and as per construction supervisor, Robert they didn't had any contaminated soil/groundwater in tanks area.

06/26/07-Hiralkumar Patel. received call from Ms. Cam. she mentiond that they have one test pit in corner, about 60 ft away from contaminated zone and they are dewatering area from this test pit. Ms. Cam asked if they can continue dewatering it. asked Ms. Cam to continue monitor water in sump for any product or sheen. if no product or sheen observed then only they can dewater it into city sewer, but if sheen/product observed then they will collect into container for proper disposal. Ms. Cam also mentioned that they will open two more test pits, one at contaminated zone and one between existing sump and contaminated zone. if water level in these two sumps decrease with dewatering from existing sump, they will stop sump pump to prevent spreading contamination.

received following reports from Ms. Cam:

- Phase I report
- Phase II report
- RAP & Health and Safety Plan
- DEP correspondance

abstract of Phase II report:

- NYCDEP requested Phase II investigation to characterize the fill material
- Langan did four borings and took nine soil samples from these borings
- all four borings were convereted into temp well point and collected four water samples
- collected four soil gas sample, one from each boring
- two soil samples were collected from each borings; one from the shallow material (0-2 ft bg) and one from the soil/groundwater interface (8-11.5 ft bg).
- one additional soil sample was collected from boring SB-4 at a depth of 7 ft due to elevated PID

- found contamination in soil sample from SB-4 at 7 ft depth

-----SB-4 at 7 ft---limit  
Benzene-----1,810-----60  
Xylene-----4,470-----1,200  
Naphthalene-----69,000-----13,000

- SVOC contamination found in soil sample from SB-4 at 7 ft.
- no contamination in soil sample from SB-4 at 9-11 ft
- no contamination found in any groundwater sample (groundwater was found at 11 ft in boring SB-4)

received email from Ms. Cam containing geotechnical boring locations and gasoline tank location maps.

06/27/07-Hiralkumar Patel. received fingerprint analysis report from Ms. Cam. they took one soil and one groundwater sample from area where contamination found and analyzed those sample. found #4 kind of product (not gasoline).

left message for Ms. Cam to continue working in area where they removed gasoline tanks from site (as no gasoline product found in fingerprint analysis). asked Ms. Cam to call back regarding high contamination in previous boring SB-4 at 7 ft (where concrete work has done).

06/28/07-Hiralkumar Patel. received call from Ms. Cam asking for site visit. asked her to submit soil/groundwater delineation report prior to any site visit.

06/29/07-Hiralkumar Patel. spoke with Ms. Cam regarding high contamination that was found at previous soil boring location SB-4 at 7 ft. Ms. Cam mentioned that entire site was/will be excavated to 13-16 ft bg (so contamination at SB-4 on-site has been removed). asked Ms. Cam to do delineation around boring SB-4 on sidewalk along West Broadway to find any source for such high values at SB-4. they will submit disposal manifest at end of project.

07/12/07-Hiralkumar Patel. received analytical data from Ms. Cam, for soil and groundwater samples taken from site. abstract:

- total of 9 soil borings were completed to determine the horizontal and vertical extent of contamination in the northeast portion of the property
- one temporary monitoring well was installed and a groundwater sample was collected
- One groundwater sample was collected from within the 6 ft by 6 ft by 3 ft deep test pit excavated approximately 20 feet from the north property line
- approx. 2600 gallons of water and product were vacuumed from the test pit for offsite disposal
- one groundwater sample was collected from the recharge within the test pit after 2600 gallons were vacuumed and was analyzed for the NYCDEP discharge parameters
- took 12 soil and 2 groundwater samples for analysis
- no contamination found in any samples

received call from Ms. Cam. as part of construction, they will do dewatering of site and collect that water into oil/water separator before discharged into city sewer system. they sampled groundwater for discharge permit and will do frequent sampling to confirm no petroleum discharged into sewer system. Ms. Cam mentioned that closed sample to property line, between subject site



and 325 W. Broadway site, was about 10 ft away to prevent any vibration in soil near foundation wall along 325 W. Broadway site. but during construction, they will do excavation to about three ft away from property line (DOB requirement) and will remove all soil.

based on construction area (leaving only three ft at property line) and analytical data for soil and groundwater samples, approved Ms. Cam's request to resume construction activities in corner where oil sheen was observed on groundwater. asked Ms. Cam to monitor area for any soil or groundwater contamination.

based on available data, case closed.

**Map Identification Number 185**      **VAULT 8161**  
WOOSTER ST/GRAND ST

MANHATTAN, NY

**Spill Number: 9808600**

**Close Date: 11/04/2003**  
TT-Id: 520A-0090-978

#### MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2617 feet to the SE

#### ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: FRANK MASSERIA

DEC Investigator: CAENGELH

Spiller: FRANK MASSERIA - CON EDISON

Notifier Name: MR RUSSO

Caller Agency: CON EDISON

Contact for more spill info: FRANK MASSERIA

Spiller Phone: (212) 580-6763

Notifier Phone:

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/10/1998       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN MATERIAL | OTHER               | 25.00            | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

MATERIAL DISCOVERED IN VAULT - WILL BE TESTED AND CLEANUP WILL ENSUE AFTER TEST RESULTS ARE KNOWN CON ED REFERENCE NUMBER #120451

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"  
E2MIS 120451

OCT. 10, 1998 21:23 hrs.

John Thelian #52849 F.O.D. reports on 10/10/98 @ 21:00 hrs he found approx. 25 gallons of an unknown substance in V-8161 @ w/s Wooster st 14' s/o Grand st while applying a ground on fdr.# 22m65. The spill is contained and did not enter the waterways or sewers. There is a sump and the pump was not running. He unplugged the pump at this time. There is a sewer connection via the pump at this location. The substance looks like rust and is not an oil. A sample was taken and tag# 18139 was installed.

There is an oil filled transformer and pilc cable at this location. The cleanup is pending test results and will be cleaned up accordingly.

This report recorded by T.Russo #45348 @ MCC #9 desk.

Oct. 10, 1998 21:57 hrs.

Frank Masseria #76972 C.I.G. notified by T.Russo #45348.

If this is a Con Edison manhole it contains electrical cable and splices. Many

Analysis Received SA98-10915 = Aroclor 1260 PCB <1.0 PPM .. roz .. 10/11/98

Note: Lab analysis indicates a wrong incident number. 126451 should read 120451

10/13/98

J. Ligouri reports I&A crew (G. Anelli and J. Kelly) responded to the location and found only water in vault. No oil and no unknown substance. Company equipment okay. Unplugged sump pump. Will follow up for clean-up.

Logger: A. Johnson #81226

10/13/98 17:10hrs

G. Anelli #14059 I&A South, reports cleanup complete. Removed one drum of debris and transported same to West 28 St. WOL. Removed oil tag notification sign. Vault is cleaned in accordance GEI's. Also, J. Kelly on location from I&A - employee #15634. Time on location 16:10hrs-17:10hrs....Logger: A. Johnson

Detailed Description:

10/13/98 17:10hrs

G. Anelli #14059 I&A South, reports cleanup complete. Removed one drum of debris and transported same to West 28 St. WOL. Removed oil tag notification sign. Vault is cleaned in accordance GEI's. Also, J. Kelly on location from I&A - employee #15634. Time on location 16:10hrs-17:10hrs....Logger: A. Johnson

#81226

**Map Identification Number 186**      **VAULT # 8161**  
WEST WORCHESTER/GRAND STR

NEW YORK, NY

**Spill Number: 0409355****Close Date: 01/10/2008**

TT-Id: 520A-0093-327

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2617 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: WOOSTER ST / GRAND ST

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Responsible Party  
Caller Name: PAUL DEDONOTO  
DEC Investigator: GDBREEN

Spiller: ERT DESK - VAULT # 8161  
Notifier Name: PAUL DEDONOTO  
Caller Agency: CONED  
Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383  
Notifier Phone: (212) 580-6764  
Caller Phone: (212) 580-6764  
Contact Person Phone: (212) 580-8383

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 11/19/2004        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

## Caller Remarks:

2 GALLONS OF UNKNOWN ON 200 HUNDRED GALLONS OF WATER: NO SEWERS OR WATERWAYS CLEAN UP IS PENDING SAFE ENTRY IN VAULT: CONED # 156308

## DEC Investigator Remarks:

01/10/08 - See eDocs for Con Ed report detailing cleanup and closure.

e2mis ID 156308

William Diaz, 10919, Senior Field Operator Was in process of placing ground on transformer in V8161 on feeder 22M65 and found approx. 2 gallons of unknown oil on top of approx. 200 gallons water. Sump pump found unplugged. There was or is no smoke or fire involved. No sewer or waterway affected. No injuries and weather had no affect. Source and cause of spill are unknown. No private property affected. Environmental yellow tag # 44959 was applied. Water is standing, no visual water movement. Two liquid samples were taken from the spill PCB & ID No substantial cracks. Clean up pending safe entry to vault and crews.

Update 11-19-04 @ 21:04

Lab Sequence Number: 04-09645-001

Aroclor 1242 < 1.0 ppm EPA 608/8082

Aroclor 1254 < 1.0 ppm EPA 608/8082

Aroclor 1248 &lt; 1.0 ppm EPA 608/8082

Aroclor 1260 &lt; 1.0 ppm EPA 608/8082

01/21/05 01:00

M.Amari#11090, I&A Mech., notified the control center on 01/20/05 at 21:40hrs. to report the cleanup in V8161 was complete, this was a final cleanup. There was no solids removed and no drums or barrels used in the cleanig of V8161. There was 1000 gallons of water and oil mixed removed, Via tanker from V8161. The method used to clean was, Double washed with slix. A yellow envirnomenta tag,#44959 was remove from V8161. The cleanup crew were; M.Amari#11090 and A.Guerrero#88610. The source and cause of the spill, is still unknown at this time. The cleanup was completed on 01/20/05 at 21:10hrs.

**Map Identification Number 187**      **TEMPORARY FUEL TANK**  
505 W BROADWAY

MANHATTAN, NY

**Spill Number: 0511209**

**Close Date: 03/24/2006**  
TT-Id: 520A-0095-666

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (5)

Approximate distance from property: 2618 feet to the E

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Other  
Caller Name: JOHN MORAN  
DEC Investigator: GDBREEN

Spiller: NOT CON EDISON.  
Notifier Name: JOHN MORAN  
Caller Agency: CON EDISON  
Contact for more spill info: ERT DESK'

Spiller Phone:  
Notifier Phone: (212) 580-8383  
Caller Phone: (212) 580-8383  
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 12/26/2005       |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #2 FUEL OIL      | PETROLEUM           | 50.00            | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

## Caller Remarks:

Con Edison employee called in Spill. Report in Con Edison database e2mis # 162345.

COMING FROM A TEMPORARY FUEL TANK ON THE SIDEWALK, FIRE DEPT. CAME TO SCENE AND SHUT OFF THE TANK. HAS NOT BEENC LEANED UP

## DEC Investigator Remarks:

Shariff Rahman went to the scene. Other property affected by release as well. See #0511206.

Con Edison reports to their database as follows: \*\*\*\*\* 3rd Party \*\*\*\*\*

On 12/26/05 at 13:27 C. Bruce # 89045 Emergency supervisor called to report that he was at the north side of W. Houston St 89' east of W. Broadway he arrived there at 12:45 responding to a fire dept. report of a fuel oil spill, at that time it was not know if it entered into any of our structures. At 13:25 He confirmed that 50 gallons of fuel oil had leaked from a temporary fuel tank that was supplying fuel to 505 W. Broadway into servicebox-37012 located at north side of W. Houston St 89' east of W. Broadway. The DEP was also on site but had left. He states that there was also oil on the roadway & the fire dept put down absorbent & left. He states that there is no sewers or waterways involved, no fire or smoke, No injuries invovled. He hung a tag # 38898 and took 3 samples PCB,ID, Flashpoint.

12/26/05 14:10 CIG J. Moran was notified. R. Bruns # 21106

3/24/06

This spill is being closed based on report in eDoc link. (SKA)

**Map Identification Number 188**      **MANHOLE 37268**  
ERICKSON PL & HUDSON ST

MANHATTAN, NY

**Spill Number: 0011560**

**Close Date: 06/05/2001**  
TT-Id: 520A-0090-627

#### MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2636 feet to the S

#### ADDRESS CHANGE INFORMATION

Revised street: ERICSSON PL / HUDSON ST

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: JIMMY FOX  
DEC Investigator: OKWUOHA

Spiller: UNKNOWN - UNKNOWN  
Notifier Name: MR DUNNE  
Caller Agency: CON EDISON  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 580-6763  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 01/25/2001        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 2.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

#### Caller Remarks:

2 gal unk oil in manhole on 150 gal of water - samples taken and clean up pending results con ed #135226

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

**The following DEC Investigator Remarks were available prior to 1/1/2002:**

CON ED E2MIS REPORT 1-25-01

2gals. of unknown oil floating on approx. 150gals. of water. No smoke /fire, no visual movement, no environmental impact. Manhole and sewer connection as per conduit plate 9-h-2

PCB 16ppm

1-26-01 17:07hrs.

Cleanup started on midnight shift 1-26-01 and completed during day shift 1-26-01. Cleanup completed at approx. 13:00hrs. Details to follow.

Intermediate Cleanup

Tanker removed liquids and crew started cleanup with degreaser.

Cleanup type <50

Final Cleanup

PCb 16ppm

1 drum solid waste

125 gals. liquid waste

Double washed with slix. No sump

Aroclor 1254



**CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.**  
 All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: \* - Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 189**
**VAULT #5902**

100 KING STREET AT HUDSON ST

MANHATTAN, NY

**Spill Number: 0510409**
**Close Date: 05/03/2007**

TT-Id: 520A-0090-648

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 169 feet to the E\*

**ADDRESS CHANGE INFORMATION**

Revised street: 100 KING ST

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Responsible Party

Caller Name: MARK SCHLEGEL

DEC Investigator: GDBREEN

Spiller: ERT DESK - CON EDISON VAULT #5902

Notifier Name: MARK SCHLEGEL

Caller Agency: CONED

Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383

Notifier Phone: (212) 580-8383

Caller Phone: (212) 580-8383

Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|-------------------|-------------------------|--------------------|---------------------|----------------------|
| 12/05/2005       |                     | EQUIPMENT FAILURE | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled  | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| DIELECTRIC FLUID | PETROLEUM           | 3.00              | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

**Caller Remarks:**

2 GALLONS OF WATER IN HOLE. SAMPLES TO BE TAKEN, FAULTY TRANSFORMER; CLEAN UP PENDING DEENERGIZATION: CONED # 162127

**DEC Investigator Remarks:**

05/03/07 - See e-docs for Con Ed report detailing cleanup and closure.

162127. Found @ 10:00 am. Called E/V desk @ 10:18 am  
 V5902 - KING ST 100 & HUDSON ST (WLY UNIT) Alan H Cohen 08224, Distribution Splicer was doing an inspection in V5902, and found that the unit was leaning, and approx. 3 gallons of transformer oil was leaking from bottom of unit to concrete floor and that 2 gallons of water is also in vault. Mr. Cohen also reports that no sump pump is present at this location, however he notes that he has discovered a possible drain but it is clogged. This unit is on feeder 10m04, and will have to be de-energized, and pending removal of defective unit. And also reports the following: There was or is no smoke or fire involved. No sewer or waterway affected. No injuries and weather had no affect. Account #80484 is being used for this incident. Source and cause of spill are transformer. No private property affected. oil filled cable and hammerheads in the structure. Environmental yellow tag # 38530 was applied. Water is standing, no visual water movement. No substantial cracks. Access anytime. Bus stop. . 2 liquid samples were taken from the spill, 1 for id and 1 for pcb. Sample priority "E". Chain of custody # EE04108. Substance owned by, con-ed No concrete sump. Order Release # O-146-05-00026 was issued for courier Logger F.Curtis 38078

**Map Identification Number 190**      **320 HOUSTON/522 GREENWICH**  
 522 GREENWICH ST

NYC, NY

**Spill Number: 9205355**

**Close Date: 03/14/2003**  
 TT-Id: 520A-0094-850

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 230 feet to the WSW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Responsible Party  
 Caller Name: S BURTON  
 DEC Investigator: BATTISTA

Spiller: UPS  
 Notifier Name:  
 Caller Agency: TECHNA CORP  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (313) 454-1100  
 Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 08/10/1992        |                     | HOUSEKEEPING     | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | -1.00            | POUNDS                  | 0.00               | POUNDS              | SOIL                 |

Caller Remarks:

CONTAMINATED SOIL WILL BE EXCAVATED & DISPOSED.



DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 191 SAACYTHIC AND SAACYTHIC**  
375 HUDSON ST

NEW YORK, NY

**Spill Number: 9601324**

**Close Date: 05/30/1996**  
TT-Id: 520A-0094-845

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 303 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Citizen

Caller Name: ANNOYOMUS

DEC Investigator: ADZHITOM

Spiller: UNKNOWN - UNKNOWN

Notifier Name: SAME

Caller Agency:

Contact for more spill info: LISA EARL

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 04/25/1996 |                     | DELIBERATE     | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units  | Quantity Recovered | Units  | Resource(s) Affected |
|------------------|----------------|------------------|--------|--------------------|--------|----------------------|
| REFRIGERANT      | OTHER          | 150.00           | POUNDS | 0.00               | POUNDS | AIR                  |

Caller Remarks:

sometime last night unknown contractors released 150 lbs of

refrigant r22 CALLER FELS THIS WAS DELIBERATE

REQ CALL FROM DEC

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ZHITOMIRSKY"

**Map Identification Number 192**      **VS #6447 HAS RELEASE OF XFMR OIL**  
KING STREET & HUDSON STREET

NEW YORK, NY

**Spill Number: 0605024****Close Date: 11/15/2006**  
TT-Id: 520A-0090-458

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 352 feet to the ENE

## ADDRESS CHANGE INFORMATION

Revised street: KING STREET / HUDSON STREET

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: GDBREEN

Spiller: ERTS - CON EDISON VS #6447

Notifier Name:

Caller Agency:

Contact for more spill info: ERTS

Spiller Phone: (212) 580-8383

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |                    | Penalty Recommended |                      |  |
|------------------|---------------------|-------------------|-------------------------|--------------------|---------------------|----------------------|--|
| 08/01/2006       |                     | EQUIPMENT FAILURE | NO                      |                    | NO                  |                      |  |
| Material Spilled | Material Class      | Quantity Spilled  | Units                   | Quantity Recovered | Units               | Resource(s) Affected |  |
| TRANSFORMER OIL  | PETROLEUM           | 1.00              | GALLONS                 | 0.00               | GALLONS             | SOIL                 |  |

## Caller Remarks:

COMING OFF 24HOUR CLOCK, NEEDS TO DEACTIVATE, BUT THE LOAD IS TOO HEAVY AT THIS TIME: CONED # 201587

## DEC Investigator Remarks:

11/15/06 - See e-docs for Con Ed report detailing cleanup and closure.

201587. see eDocs

**Map Identification Number 193**      **DRUM RUN**  
CHARLTON ST./HUDSON ST.

NEW YORK, NY

**Spill Number: 0712796****Close Date: 03/12/2008**  
TT-Id: 520A-0214-758

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 365 feet to the ESE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Local Agency  
Caller Name:  
DEC Investigator: SFRAHMAN

Spiller: UNKNOWN  
Notifier Name:  
Caller Agency:  
Contact for more spill info: VICTOR LEE

Spiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone: (646) 763-2597

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 03/05/2008       |                     | ABANDONED DRUM   | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| LUBE OIL         | PETROLEUM           | 55.00            | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

Abandoned drums found on the SE corner. Unknown where the drum came from. No ID numbers are printed on the drums. Would like DEC to pick it up.

DEC Investigator Remarks:

add to next drum run

03/11/08-Vought peromed site visit to confirm that drum was present and indeed confirm that 55-gallon blue steel drum with waste oil and DEP lettering on southeast corner of Charlton and Hudson. Vought informed DEC Rahman of same for drum run.

03/12/2008-Hasan Ahmed-One 55 gallon drum found with oil.Drum was pumped out, Ahmed and Rahman of DEC were present. NYC sanitation was notified to pick up the empty drum.

**Map Identification Number 194**     **MCI**  
560 WASHINGTON ST

NEW YORK, NY

**Spill Number: 0506181**

**Close Date: 08/22/2005**  
TT-Id: 520A-0099-362

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 498 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: Responsible Party  
Caller Name: TODD HARRIS  
DEC Investigator: JBVOUGHT

Spiller: TODD HARRIS - MCI  
Notifier Name: TODD HARRIS  
Caller Agency: MCI  
Contact for more spill info: TODD HARRIS

Spiller Phone: (972) 729-5671  
Notifier Phone: (972) 729-5671  
Caller Phone: (972) 729-5671  
Contact Person Phone: (972) 729-5671

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|-------------------|-------------------------|--------------------|---------------------|----------------------|
| 08/19/2005       |                     | EQUIPMENT FAILURE | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled  | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| DIESEL           | PETROLEUM           | 0                 | GALLONS                 | 0                  | GALLONS             | SOIL                 |

Caller Remarks:

clean up crew is en route.

DEC Investigator Remarks:

8/23/05-Vought-Site visit by DEC Vought and DEC Ketani as per DEC Austin. Spill of diesel from a 250 gallon AST on roof of site. Spill flushed down drain by NYFD. Clean Harbors onsite (Jime Cardone 732-248-1997). On site DEC met with Ray Pichardo (super 212-929-5075). Roof drain was connected to sewer as per DEP (Keith Williams) who had left site by time of DEC site visit. DEC spoke with senior operations manager (Al Miller 646-739-4953) and spill originated from vent pipe due to malfunction of pump. No leak from UST. Contractor enroute to fix pump. Spill cleaned using adsorbent material and pads. No infiltration from roof to building and no odors were detected after building walkthrough by Miller. DEC also inspected adjacent Hudson river and did not find any sheen or free floating product. Spill closed by Vought.

Map Identification Number 195

560 WASHINGTON ST

MANHATTAN, NY

Spill Number: 0103173

Close Date: 06/29/2001

TT-Id: 520A-0099-363

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 498 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE  
Notifier Type: Local Agency  
Caller Name: SHELDON LASNER  
DEC Investigator: MXTIPPLE

Spiller: UNKNOWN  
Notifier Name:  
Caller Agency: DEP  
Contact for more spill info: CALLER

Spiller Phone:  
Notifier Phone:  
Caller Phone: (718) 595-6777  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|-------------------|-------------------------|--------------------|---------------------|----------------------|
| 06/22/2001       |                     | EQUIPMENT FAILURE | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled  | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| DIESEL           | PETROLEUM           | 55.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

leak in pipe. spill on roof. fire dept on scene.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"  
6/29/01 MANIFEST FOR DISPOSAL FORWARDED TO DEPARTMENT

ROOFTOP SPILL DURING GENERATOR INSTALLATION, NO DISCHARGE TO GROUND OR SEWER

Map Identification Number 196      **MAN HOLE #V0426**  
344 WEST ST

MANHATTAN, NY

Spill Number: 0000932

Close Date: 05/02/2005  
TT-Id: 520A-0099-359

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 498 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: Responsible Party  
Caller Name: BRIAN JOYCE  
DEC Investigator: JHOCONE

Spiller: CON ED  
Notifier Name: BRIAN JOYCE  
Caller Agency: CON EDISON  
Contact for more spill info:

Spiller Phone: (212) 580-6763  
Notifier Phone: (212) 580-6763  
Caller Phone: (212) 580-6763  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|-------------------|-------------------------|---------|---------------------|---------|----------------------|
| 04/23/2000       |                     | EQUIPMENT FAILURE | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class    | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| DIELECTRIC FLUID |                     | PETROLEUM         | 1.00                    | GALLONS | 0.00                | GALLONS | SOIL                 |

## Caller Remarks:

con ed # 131003 spill of one gallon on 50 gallons of water spill confined in man hole slean up pending lab results

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
e2mis no. 131003:

approx 1-gallon transformer oil mixed with 50-gallons water in V0426....Source of oil, center transformer of (3)...Possible  
bottom leak or leaking valve... No sewer connection as per conduit plate 12-f-1... Clean up pending test results...

LAB SEQ#00-04001 PCB 1 PPM

Date: 4/29/00

Time: 1240

Cleanup Info: removed 250 gals.oily water from vault floor with oil tanker from astoria, washed floor with oil free and slix,  
rinsed floor and removed. flushed vlaut with flush truck. clean up complete.

12/1/04-TRANSFORMER REMOVED,FINAL CLEANUP ,REPLACED AND MADE AUTO 5/7/00.

**Map Identification Number 197**      **SHAFT #28B**  
HOUSTON STREET/HUDSON STR

MANHATTAN, NY

**Spill Number: 0610178**

**Close Date: 12/11/2006**  
TT-Id: 520A-0089-970

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 505 feet to the NE

## ADDRESS CHANGE INFORMATION

Revised street: W HOUSTON ST / HUDSON ST  
Revised zip code: 10014

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
Notifier Type: Other  
Caller Name:  
DEC Investigator: SMSANGES

Spiller: ROBIN WILSON - SHAFT #28B  
Notifier Name:  
Caller Agency:  
Contact for more spill info: ROBIN WILSON

Spiller Phone: (212) 967-2212  
Notifier Phone:  
Caller Phone:  
Contact Person Phone: (212) 967-2212

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 12/07/2006       |                     | HUMAN ERROR      | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| HYDRAULIC OIL    | OTHER               | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

Caller Remarks:

LESS THEN 1/2 GALLON SPILLED AND IS BEING CLEANED UP

DEC Investigator Remarks:

5 gal pail spilled on cement - all cleaned

**Map Identification Number 198**     **MANHOLE #36950**  
HOUSTON STREET AT HUDSON ST

MANHATTAN, NY

**Spill Number: 0507497**     **Close Date: 05/03/2007**  
TT-Id: 520A-0094-214

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 505 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: W HOUSTON ST / HUDSON ST  
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
Notifier Type: Responsible Party  
Caller Name: TOM ENRIGHT  
DEC Investigator: GDBREEN

Spiller: ERT DESK - MANHOLE #36950  
Notifier Name: TOM ENRIGHT  
Caller Agency: CONED  
Contact for more spill info: ERT DESK'

Spiller Phone: (212) 580-8383  
Notifier Phone: (212) 580-6766  
Caller Phone: (212) 580-6766  
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

|                  |                     |                   |                         |         |                     |         |                      |
|------------------|---------------------|-------------------|-------------------------|---------|---------------------|---------|----------------------|
| Spill Date       | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
| 09/22/2005       |                     | EQUIPMENT FAILURE | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class    | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| DIELECTRIC FLUID |                     | PETROLEUM         | 0                       | GALLONS | 0                   | GALLONS | SOIL                 |

Caller Remarks:

1 QUART IS SEEPING OUT OF SOME CABLE; NO TO 5 QUESTIONS; CONED # 161180

DEC Investigator Remarks:

05/03/07 - See e-docs for Con Ed report detailing cleanup and closure.

161180. 09/22/05 10:30. W.Kaseman #85961, of Maintenance Services, notified the control center on 09/22/05 at 10:05hrs. to report he found approx. 1 quart of cable oil on the wall and on the duct edge in M36950, which is located on the south side of Houston St 1 box west of Hudson St. W.Kaseman #85961 was at this location to do inspections when he found uncapped paper cable ends that had leaked oil on the wall and duct edge, no oil has leaked on to the floor. There is no water in M36950, the account number he was working under is #89090. W.Kaseman #85961 notified the Emergency Dept. (#9) before calling the Environmental desk. There was no fire or smoke involved and no sewers or waterways were affected. There were no injuries related to this spill and the weather conditions did not contribute to the hazards of this spill. There was no private property affected. The source of the spill is the cable ends and the cause is a leak. A yellow environmental tag numbered #42723, was hung in M36950. There is no water in M36950. W.Kaseman #85961 can not see if there is a sump or a sewer connection, due to large ammounts of dirt in M36950. There are no substantial cracks in M36950. A sample needs to be taken for PCB's, W.Kaseman #85961 can not take the sample due to the fact that Maintenance Service Personnel can not take samples from a dry manhole. There was no initial cleanup action taken. The cleanup is pending samples being taken, repair of the leaking cable end, test results and a crew. Logger : M.Casalta #12684

**Map Identification Number 199**      **315 HUDSON STREET**  
315 HUDSON STREET

MANHATTAN, NY

**Spill Number: 9415344**

**Close Date: 02/23/1995**  
TT-Id: 520A-0094-849

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 572 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE



Source of Spill: PRIVATE DWELLING  
Notifier Type: Affected Persons  
Caller Name: MIKE VIOLA  
DEC Investigator: SMMARTIN

Spiller: SAME  
Notifier Name:  
Caller Agency: HESS OIL  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone: (201) 437-1017  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 02/23/1995       | 02/23/1995          | HUMAN ERROR    | UNKNOWN                 |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| #6 FUEL OIL      |                     | PETROLEUM      | 6.00                    | GALLONS | 0.00                | GALLONS | SOIL                 |

Caller Remarks:

SUPERINTENDANT GAVE DRIVER WRONG READING CAUSING OVERFILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"

**Map Identification Number 200**     **315 HUDSON ST**  
315 HUDSON ST

NYC, NY

**Spill Number: 8807612**

**Close Date: 12/16/1988**  
TT-Id: 520A-0094-848

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 572 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: TANK TRUCK  
Notifier Type: Responsible Party  
Caller Name: RAY ROCK  
DEC Investigator: SIGONA

Spiller: HESS  
Notifier Name:  
Caller Agency: HESS(BAYONNE)  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone: (201) 437-1017  
Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 12/16/1988 | 12/16/1988          | HUMAN ERROR    | UNKNOWN                 |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #6 FUEL OIL      | PETROLEUM      | 6.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

---

Caller Remarks:

WHILE DELIVERING OIL, HAD TO MOVE TRUCK FOR POLICE EMERGENCY. CONTAINED ON SIDEWALK, SAND APPLIED, HESS CLEAN-UP CREW EN ROUTE.

---

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 201**     **NYNEX GARAGE**  
84 KING STREET

NEW YORK CITY, NY

**Spill Number: 9614579**

**Close Date: 03/18/1997**  
TT-Id: 520A-0099-380

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 573 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE  
Notifier Type: Other  
Caller Name: CLARINDA WEST  
DEC Investigator: SMMARTIN

Spiller: SAME - NYNEX  
Notifier Name: MARTIN SHANNON  
Caller Agency: MILRO ASSOC  
Contact for more spill info: MARTIN SHANNON633-2666

Spiller Phone: (212) 330-8383  
Notifier Phone: (212) 741-2910  
Caller Phone: (516) 379-1570  
Contact Person Phone: (212) 741-2910

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

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| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|-------------------|-------------------------|---------------------|
| 03/17/1997 |                     | EQUIPMENT FAILURE | NO                      | NO                  |

---

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| HYDRAULIC OIL    | OTHER          | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

---

Caller Remarks:

LINE LEAK FROM A VEHICLE OWNED BY NYNEX.THEY WILL BE ENROUTE TO CLEAN UP SPILL.

---

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"

3/19/97 12:30 CALLED 741-2910 SMALL SPILL CLEANED UP ABOUT 1-2 GLS. DORIS VON PILLIO- CONTROL FORMAN WILL BE BACK LATER.

**Map Identification Number 202**

84 KING STREET

MANHATTAN, NY

**Spill Number: 0009305****Close Date: 05/27/2003**

TT-Id: 520A-0099-379

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 573 feet to the E

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Affected Persons

Caller Name: CLAUDIA TACCETTA

DEC Investigator: TJDEMEO

Spiller: PURE FORCE POWER WASHING

Notifier Name:

Caller Agency: VERIZON

Contact for more spill info: CALLER

Spiller Phone:

Notifier Phone:

Caller Phone: (914) 654-1163

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 11/11/2000       |                     | HUMAN ERROR    | NO                      |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| DIESEL           |                     | PETROLEUM      | 10.00                   | GALLONS | 0.00                | GALLONS | SOIL                 |

**Caller Remarks:**

CALLER REPORTED THAT VENDOR WHO WAS CARRYING CONTAINER OF FUEL SPILLED TO GROUND. CLEANUP IS COMPLETED.

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"

5/27/03 TJD

Spilled material contained and cleaned using absorbents. No further action required.

**Map Identification Number 203**      **BETWEEN CLARKSON**  
HUDSON ST/WEST HOUSTON

MANHATTAN, NY

**Spill Number: 0603221****Close Date: 06/23/2006**  
TT-Id: 520A-0102-318

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 612 feet to the NE

## ADDRESS CHANGE INFORMATION

Revised street: HUDSON ST

Revised zip code: 10014

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Other

Caller Name:

DEC Investigator: rmpiper

Spiller: DONALD HICKEY - BETWEEN CLARKSON

Notifier Name:

Caller Agency:

Contact for more spill info: DONALD HICKEY

Spiller Phone: (212) 967-2212

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 967-2212

Spill Class: NO SPILL OCCURRED;NOT POSSIBLE

| Spill Date       | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|-------------------|-------------------------|--------------------|---------------------|----------------------|
| 06/23/2006       |                     | EQUIPMENT FAILURE | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled  | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| AMMONIA          | HAZARDOUS MATERIAL  | 0                 | GALLONS                 | 0                  | GALLONS             | AIR                  |

Caller Remarks:

A PIECE OF EQUIPMETN USES THE AMMONIA AND IT LEAKED INTO ENVIORMENT:

DEC Investigator Remarks:

DEC Piper spoke w/ Don Hickeyu of EPA. There was a main break and ammonia was used to freeze surrounding pipe so repairs can be made. A report will be submitted at end of month though spill is already closed. When report is received it should be e-doced.

**Map Identification Number 204**      **330 WEST STREET**  
330 WEST STREET

MANHATTAN, NY

**Spill Number: 9502690****Close Date: 06/02/1995**  
TT-Id: 520A-0094-856

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 636 feet to the WSW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: Responsible Party  
Caller Name: KEVIN MULVEY  
DEC Investigator: KSTANG

Spiller: STRUCTURE TANK  
Notifier Name:  
Caller Agency: STRUCTURE TONE  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 481-6100  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 06/01/1995       | 06/02/1995          | HUMAN ERROR    | UNKNOWN                 |         | NO                  |         |                      |
| Material Spilled |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| DIESEL           |                     | PETROLEUM      | 10.00                   | GALLONS | 10.00               | GALLONS | AIR                  |

Caller Remarks:

CALLER TESTING GENERATORS - SPILL ARE 10 GAL (DEP CASE #950601711430) FUEL ON ROOF - NYC FD AND DEP ON SCENE. ALL WAS CLEANED UP. SPILLER IS ARRANGING THE DISPOSAL OF THE CONTAINMENT ABSORBENT

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"

Map Identification Number 205 201 VARICK STREET, NEW YO  
201 VARICK STREET

NEW YORK CITY, NY

Spill Number: 8702588

Close Date: 06/30/1987  
TT-Id: 520A-0099-324

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 643 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: DEC  
Caller Name:  
DEC Investigator: UNASSIGNED

Spiller: UNKNOWN  
Notifier Name:  
Caller Agency:  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone:

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 06/30/1987       | 06/30/1987          | HUMAN ERROR      | UNKNOWN                 |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN MATERIAL | OTHER               | -1.00            | UNKNOWN                 | 0.00               | UNKNOWN             | SOIL                 |

## Caller Remarks:

NYCFD HAZ/MAT ON THE SCENE. "SEE SHEET"

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was " "

**Map Identification Number 206**      **SIX GAL XFMR OIL IN VS #3308**  
 366 HUDSON STREET

MANHATTAN, NY

**Spill Number: 0701303**

**Close Date: 03/20/2008**  
 TT-Id: 520A-0099-323

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 643 feet to the ENE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Responsible Party  
 Caller Name:  
 DEC Investigator: gdbreen

Spiller: ERTSDESK - CON EDISON      VS#3308  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: ERTSDESK

Spiller Phone: (212) 580-8383  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|-------------------|-------------------------|--------------------|---------------------|----------------------|
| 05/01/2007       |                     | EQUIPMENT FAILURE | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled  | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| TRANSFORMER OIL  | PETROLEUM           | 6.00              | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

-----  
Caller Remarks:NO TO 5 QUESTIONS: CLEAN UP PENDING TRANSFORMER REMOVAL: CONED # 205616  
-----

## DEC Investigator Remarks:

03/20/08 - See eDocs for Con Ed report detailing cleanup and closure.

205616. see eDocs

**Map Identification Number 207**      **CLARKSON AND WEST HOUSTON**  
396 HUDSON STREET

NEW YORK, NY

**Spill Number: 0507343****Close Date: 09/19/2005**  
TT-Id: 520A-0099-322

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 658 feet to the NE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Local Agency

Caller Name: DON HICKEY

DEC Investigator: SMSANGES

Spiller: DON HICKEY - CLARKSON AND WEST HOUSTON

Notifier Name: DON HICKEY

Caller Agency: NYS DEP

Contact for more spill info: DON HICKEY

Spiller Phone: (212) 967-2212

Notifier Phone: (212) 967-2212

Caller Phone: (212) 967-2212

Contact Person Phone: (212) 967-2212

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN  
-----

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
|------------|---------------------|----------------|-------------------------|---------------------|

|            |  |                   |     |    |
|------------|--|-------------------|-----|----|
| 09/18/2005 |  | EQUIPMENT FAILURE | YES | NO |
|------------|--|-------------------|-----|----|

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| HYDRAULIC OIL    | OTHER          | 4.00             | GALLONS | 4.00               | GALLONS | SOIL                 |

  
-----

## Caller Remarks:

A HOSE BROKE AND HAS BEEN CLEANED UP: WENT TO CONCRETE ONLY  
-----

## DEC Investigator Remarks:

minor street spill from DEP truck. All cleaned

**Map Identification Number 208**      **VAULT 4222**  
183-187 VARICK ST

MANHATTAN, NY

**Spill Number: 0104982**

**Close Date: 07/23/2003**  
TT-Id: 520A-0094-847

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 703 feet to the E

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: Responsible Party  
Caller Name: STEVEN ROMERO  
DEC Investigator: AERODRIG

Spiller: CALLER - CON ED  
Notifier Name: MR MORAN  
Caller Agency: CON ED  
Contact for more spill info: STEVEN ROMERO

Spiller Phone: (212) 580-6763  
Notifier Phone: (212) 580-6765  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date       | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|-------------------|-------------------------|--------------------|---------------------|----------------------|
| 08/07/2001       |                     | EQUIPMENT FAILURE | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled  | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| TRANSFORMER OIL  | PETROLEUM           | 357.00            | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

## Caller Remarks:

UNK PROBLEM WITH TRANSFORMER CAUSED PRODUCT TO LEAK OUT - NO CLEAN UP - SAMPLE TAKEN - CON ED 138748

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "RODRIGUEZ"  
E2MIS 138748

8/8/2001 @ 00:50 HRS

This incident was originally reported to me on 8/7 @ 22:30 HRS. The E2MIS application was "down" at this time, so I could not enter it right away. I did contact CIG P. McGuire # 61959 and notified him of the incident on 8/7/2001 @ 22:59 hrs.

On 8/7/01 @ 22:50 J. Giuffre # 09256 of the FOD, while working at 183-187 Varick St. on Feeder 10m11 reported to me that @ 22:30 he discovered an unknown oil in Vault 4222. There was no fire involved and there was no sewer / waterway affected. The amount of oil found was approx (3) gallons and there was no standing

water in the structure.

The source of the spill and the cause of the spill is unknown. The substance was spilled on the concrete Vault floor. No private



private was affected.

There is oil filled Equipment in the structure. A sewer connection cannot be verified because I checked Conduit plate 12-g-4 and V-4222 is not listed. There is a concrete sump and there is a sump pump that is not connected.

(2) liquid samples (PCB and ID) were taken and the Chain of Custody # is BB 05275. No initial cleanup has been taken and Ciuffre referred the incident to the I&A. An Environmental Tag # 32271 was left.

CIG P. McGuire # 61959 was notified @ 22:59 on 8/7/2001

UPDATE 8/8/2001 @ 02:18 HRS

Called ERT for EPA # NYP 004 087 656

Transportation will have an over 50 Tanker on location - 7am on 8/8/2001

Flush crews and I&A crews be notified of cleanup start of 7am

Logger R Pagano # 48703

UPDATE 8/8/01 @ 06:03 HRS

I7A was notified of cleanup @ 7AM. Flush is aware that cleanup will take place at 7AM.

Update 8-8-01 . @ 12:50 T Delagado #56802 reports that when he was sent to drain the oil from V4222 he discovered that the transformer had no oil left in the tank. It is now being considered that the oil was released into either a sewer or a storm drain , neither of which can be verified at this time. CIG SRomero #09880

notified @ 13:09. The classification is also going to be changed on this incident from a 24 hour de minimus to a spill dielectric transformer due to the amount of the

spill and the release

08/09/01 19:04 HRS

Received lab results, lab sequence # 01-08097-001

MATRIX: OIL GRAB

DESCRIPTION: V4222 10M11

LOCATION: F/O 183-87 VARICK ST.

STRUCTURE: VAULT V4222 FEEDER ID: 10M11

Analysis indicates the presence of a substance similar to a dielectric fluid.

R. Bruns # 21106

9/6/01 02:20 hrs Received lab results via fax from H. Schwartz in the chem lab.

It appears that the lab system was down when the results were completed & it was done on the old system. That is why no results were ever posted.

Lab sequence # 01-04497

Aroclor 1260 PCB - 16 PPM

R. Bruns # 21106

Lab Sequence #01-04497

Date Reported: 8/08/01

Date Received: 8/08/01

Date Sampled: 8/07/01

PCB Analysis:

Aroclor PCB (in ppm)

1260 16

R. Pellegrino #38620

9/6/01 05:21 hrs

V. Mirance # 58484 Cable (cleanup) supervisor reports that at 05:15 the cleanup was complete 100%.

All liquid & debris was removed with the flush truck.

The structure was double washed with slix, and rinsed down with the flush truck.

Spill tag # 32271 was removed.

The cleanup crew was: J. Pirrello # 12120, J. Rotondi # 11602, C. Platt # 13218, G. Rofario # 11464

**Map Identification Number 209**      **95 MORTON ST/MANHATTAN**  
95 MORTON STREET

NEW YORK CITY, NY

**Spill Number: 8806754****Close Date: 12/15/1988**

TT-Id: 520A-0091-691

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1340 feet to the N

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Local Agency

Caller Name: JOHN GRATHWOL

DEC Investigator: JCGRATHW

Spiller: WILLIAMS REAL ESTATE CO

Notifier Name:

Caller Agency: NYSDEC

Contact for more spill info:

Spiller Phone: (212) 704-3500

Notifier Phone:

Caller Phone: (718) 776-6080

Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|-------------------|-------------------------|---------------------|
| 11/13/1988 | 12/15/1988          | EQUIPMENT FAILURE | UNKNOWN                 | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #6 FUEL OIL      | PETROLEUM      | 1000             | GALLONS | 0                  | GALLONS | SOIL                 |

## Caller Remarks:

BOILER UNIT FAILURE, NYCFD RESPONDED FOUND LARGE LEAK, CALLED DEP BOILER SHUT DOWN.

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "GRATHWOL"

**Map Identification Number 210**      **VARICK ST.& CANAL ST. / N**  
VARICK ST. & CANAL ST.

NEW YORK CITY, NY

**Spill Number: 8703035****Close Date: 07/10/1987**

TT-Id: 520A-0090-881

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2002 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: VARICK ST. / CANAL ST.

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Police Department

Caller Name:

DEC Investigator: UNASSIGNED

Spiller: UNKNOWN

Notifier Name:

Caller Agency:

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|-------------------|-------------------------|---------------------|
| 07/10/1987 | 07/10/1987          | EQUIPMENT FAILURE | UNKNOWN                 | NO                  |

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

MATERIAL LEAKING FROM TRUCK ONTO STREET.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was " "

10/10/95: This is additional information about material spilled from the translation of the old spill file: LIQUID PLASTICS.

**Map Identification Number 211**      **9 MINETTA ST/MANH**  
9 MINETTA STREET

NEW YORK CITY, NY

**Spill Number: 9009139**

**Close Date: 10/16/1997**  
TT-Id: 520A-0097-518

#### MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2126 feet to the ENE

#### ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: NON-MAJOR FACILITY (>1100 GAL)

Notifier Type: Other

Caller Name: BOB DECK

DEC Investigator: FINGER

Spiller:

Notifier Name:

Caller Agency: PETRO TANK CLEANERS

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 624-4842

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|-------------------|-------------------------|---------------------|
| 11/20/1990 |                     | EQUIPMENT FAILURE | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #6 FUEL OIL      | PETROLEUM      | 100.00           | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

NOZZLE CAME LOOSE, SPILL ON SIDEWALK, SOME IN TANK ROOM, SPILL      CONTAINED, PETRO TANK CLEANERS CLEANING UP SPILL.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 212**    **119 CHRISTOPHER STREET**  
119 CHRISTOPHER STREET

MANHATTAN, NY

**Spill Number: 9402109**

**Close Date: 05/12/1994**  
TT-Id: 520A-0092-059

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2151 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name: ED

DEC Investigator: SMMARTIN

Spiller: ELAND BUCZYNER

Notifier Name:

Caller Agency: SHEFFIELD OIL CO.

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 855-2653

Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 05/12/1994 | 05/12/1994          | HUMAN ERROR    | UNKNOWN                 | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #2 FUEL OIL      | PETROLEUM      | 100.00           | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

CLEANED UP WITH SPEEDY DRY.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"

**Map Identification Number 213**      **399 WASHINGTON STREET**  
399 WASHINGTON STREET

NEW YORK CITY, NY

**Spill Number: 9605125****Close Date: 07/31/1997**  
TT-Id: 520A-0092-340

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2299 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Responsible Party

Caller Name: MR SOLICH

DEC Investigator: KSTANG

Spiller: TIM SOILCH - CON EDISON

Notifier Name: ED RADTKE

Caller Agency: CONED

Contact for more spill info: RECIDENCE 5 FAMILY APTS

Spiller Phone: (212) 580-6763

Notifier Phone: (212) 338-4485

Caller Phone: (212) 580-6763

Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;HIGHLY IMPROBABLE

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|-------------------|-------------------------|---------------------|
| 07/18/1996 |                     | EQUIPMENT FAILURE | NO                      | NO                  |

## NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

## Caller Remarks:

lead was released into the air at an apt building

a underground service line going into the building was damaged the cable burned

and released the lead from the soot caused by the fire

.

## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"

AFTER CONSIDERING THE FACT THAT THIS SPILL OCCURRED SO LONG AGO, AND THE REMARKS HAS INDICATED THAT NO LONG-TERM FOLLOW-UP IS REQUIRED; I HAVE DECIDED TO CLOSE THIS SPILL

**Map Identification Number 214**      **CANAL STREET PUMP STATION**  
CANAL STREET / PUMP STAT.

NEW YORK CITY, NY

**Spill Number: 8603095****Close Date: 08/08/1986**

TT-Id: 520A-0101-629

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2382 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: CANAL ST / THOMPSON ST

Revised zip code: 10013

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: UNASSIGNED

Spiller: N.Y.C.D.E.P.

Notifier Name:

Caller Agency:

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|-------------------|-------------------------|---------------------|
| 08/07/1986 | 08/08/1986          | EQUIPMENT FAILURE | UNKNOWN                 | NO                  |

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

POWER PROBLEM IN STATION - STATION BACK IN SERVICE ON 8/8/86 @ 1100HR

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was " "

10/10/95: This is additional information about material spilled from the translation of the old spill file: .35 MILLION / DAY

**THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.**

| FACILITY ID | FACILITY NAME              | STREET                    | CITY          |
|-------------|----------------------------|---------------------------|---------------|
| 0800654     | DRUM RUN                   | CLARKSON ST               | MANHATTEN     |
| 0410115     | VAULT 2255                 | 279-91 SPRING ST          | MANHATTAN     |
| 9403024     | 421 HUDSON AT LEROY ST     | 421 HUDSON AT LEROY ST    | NEW YORK CITY |
| 0504817     | MANHOLE #47383             | CHARLTON ST/VERICK ST     | MANHATTAN     |
| 0101564     | 499 GREENWICH STREET       | 499-509 GREENWICH ST      | NEW YORK      |
| 8907841     | 225 VARICK ST/MANH         | 225 VARICK STREET         | NEW YORK CITY |
| 9804683     | MANHATTAN WEST 01 DOS -DDC | 297 WEST STREET           | NEW YORK      |
| 0710100     | RESIDENCE COMPLEX          | 180 VARICK ST             | MANHATTAN     |
| 9610803     | ROADWAY EXPRESS TERMINAL   | PIER 40 HOUSTON & WEST ST | MANHATTAN     |
| 0805091     | MCDONALDS                  | 208 VARICK ST             | MANHATTAN     |

|         |                        |                          |               |
|---------|------------------------|--------------------------|---------------|
| 9803952 | HOLLAND TUNNEL EB      | CANAL STREET HOLLAND TUN | MANHATTAN     |
| 0806303 | CANAL/WEST STREETS     | CANAL/WEST STREETS       | MANHATTAN     |
| 9611028 | 160 VARICK STREET      | 160-170 VARICK ST        | MANHATTAN     |
| 9611332 | HOLLAND TUNNEL         | CANAL STREET             | NEW YORK      |
| 9414653 | JANE YOUNG RES.        | 422 HUDSON STREET        | NEW YORK      |
| 9510397 | 422 HUDSON ST          | 422 HUDSON ST            | MANHATTAN     |
| 9512051 | 422 HUDSON ST          | 422 HUDSON ST            | MANHATTAN     |
| 0005599 | PAVEMENT               | CANAL ST & WEST ST       | MANHATTAN     |
| 0802161 | INTERSECTION           | CANAL AND WEST ST        | NEW YORK      |
| 9212514 | 50 KING STREET         | 50 KING STREET           | MANHATTAN     |
| 9212531 | 50 KING STREET         | 50 KING STREET           | MANHATTAN     |
| 9607652 | AJ CLARKE MGT          | 50 KING STREET           | MANHATTAN     |
| 9909810 | MANHOLE 59896          | WASHINGTON ST & CANAL ST | NEW YORK      |
| 8908473 | THE RECTOR CHURCH      | 435 HUDSON ST            | MANHATTAN     |
| 0001092 | 78 MORTON STREET       | 78 MORTON STREET         | MANHATTAN     |
| 9813987 | VAULT #1941            | 46TH DOMINICK ST         | MANHATTAN     |
| 9405831 | 37 KING STREET         | 37 KING STREET           | MANHATTAN     |
| 0001690 | MANHOLE 36343          | CANAL AT GREENWICH ST    | MANHATTAN     |
| 0002074 | MANHOLE 36357          | GREENWICH ST/MORTON ST   | MANHATTAN     |
| 0007948 |                        | MORTON ST & GREENWICH ST | MANHATTAN     |
| 0000231 | MANHOLE 36357          | MORTON ST & GREENWICH ST | MANHATTAN     |
| 9708605 | FIVE STAR              | 510 CANAL STREET         | NEW YORK      |
| 9708606 | FIVE STAR AUTO         | 510 CANAL ST             | NEW YORK      |
| 9708627 | FIVE STAR AUTO         | 510 CANAL STREET         | NEW YORK      |
| 9500490 | 233 SPRING STREET      | 233 SPRING STREET        | NEW YORK      |
| 0605206 | VAULT #4415            | 233 SPRING STREET        | MANHATTAN     |
| 9907124 | MANHOLE 37363          | MORTON & HUDSON ST       | MANHATTAN     |
| 0708927 | CASSARINO RESIDENCE    | 44 DOWNING ST. APT 5D    | MANHATTAN     |
| 0005629 | EXXON/MOBIL            | 290 WEST STREET          | NEW YORK      |
| 0104546 | EXXONMOBIL             | 290 WEST ST              | NEW YORK      |
| 0310517 | MOBIL STATION JYX      | 290 WEST ST              | NEW YORK      |
| 9815149 | WB ENTRANCE TO         | HOLLAND TUNNEL           | MANHATTAN     |
| 9802769 | APPROACH TO W/B TUBE   | TO THE HOLLAND TUNNEL    | MANHATTAN     |
| 9610861 | NY PLAZA               | HOLLAND TUNNEL           | MANHATTAN     |
| 0704581 | NORTH TUNNEL           | BROOM STREET ENTRANCE    | NEW YORK      |
| 9009218 | 472 GREENWOOD ST/MANH  | 472 GREENWOOD STREET     | NEW YORK CITY |
| 9515012 | AUTO DIAGNOSTIC CENTER | 500 CANAL ST             | MANHATTAN     |
| 0706725 | APARTMENT              | 2 CHARLTON STREET        | NEW YORK      |
| 0008965 | 95 MORTON ST           | 95 MORTON ST             | MANHATTAN     |
| 0009071 | 95 MORTON STREET       | 95 MORTON STREET         | NEW YORK CITY |
| 0412401 | SIDEWALK               | 95 MORTON STREET         | NEW YORK      |
| 9413221 | SPRING AMERICA         | 161 6TH AVENUE           | MANHATTAN     |
| 0202120 | IN ROADWAY             | WEST ST & MORTON ST      | MANHATTAN     |
| 9510480 | DEE MANAGEMENT         | 111 BARROW ST            | MANHATTAN     |



|         |                                       |                            |               |
|---------|---------------------------------------|----------------------------|---------------|
| 9904152 | ENGINE CO. 024/LADD. CO. 05 FDNY -DDC | 227 6TH AVENUE             | MANHATTAN     |
| 9500196 | 34 DOWNING STREET                     | 34 DOWNING STREET          | MANHATTAN     |
| 9511491 | 37-A BEDFORD STREET                   | 37-A BEDFORD STREET        | MANHATTAN     |
| 9912907 |                                       | 235 6TH AVENUE             | MANHATTAN     |
| 9906043 | MANHOLE 36283                         | WATTS ST/GREENWICH ST      | MANHATTAN     |
| 0205958 | IN ROADWAY                            | BROOME ST & VARICK ST      | MANHATTAN     |
| 0705230 | ENTRANCE TO HOLLAND TUNNE             | VARICK ST/ BROOME          | NEW YORK      |
| 9601205 | 6TH AVENUE AT PRINCE STR              | 6TH AVENUE AT PRINCE STR   | MANHATTAN     |
| 0609370 | FIVE GALLONS IN VAULT VS #5931        | 125 BARROW STREET          | MANHATTAN     |
| 0103475 | STREET CORNER                         | 6TH AV/VANDAM ST           | MANHATTAN     |
| 9010342 | 45 MORTON ST/MANH                     | 45 MORTON STREET           | NEW YORK CITY |
| 9010720 | 45 MORTON ST/MANH                     | 45 MORTON STREET           | NEW YORK CITY |
| 0109189 | CHARLTON PLAZA                        | 6TH AV & KING ST           | NEW YORK      |
| 9602167 | BARROW ST & WASHINGTON ST             | BARROW ST & WASHINGTON ST  | NEW YORK      |
| 0110242 | 32 DOWNING OWNER CORP                 | 32 DOWNING ST              | NEW YORK      |
| 9700593 | APARTMENT BUILDING                    | 6 BEDFORD ST               | MANHATTAN     |
| 9208111 | 210 6TH AVE.                          | 210 6TH AVE.               | MANHATTAN     |
| 9516699 | FRATELLI BRANCA & CO                  | 115 WATTS ST               | NYC           |
| 9516292 | FRATELLI BRANCA AND CO                | 115 WATT ST                | MANHATTAN     |
| 8912164 | 12 DESBROSSES ST/MANH                 | 12 DESBROSSES STREET       | NEW YORK CITY |
| 9909643 | HUDSON ST & CANAL ST                  | CANAL ST & HUDSON ST       | MANHATTAN     |
| 9800408 | HOLLAND TUNNEL APPROACH               | CANAL ST/HUDSON ST         | MANHATTAN     |
| 9609738 | CANAL ST AND HUDSON ST                | CANAL ST & HUDSON ST       | MANHATTAN     |
| 9512309 | 147 WATT STREET                       | 147 WATT STREET            | NEW YORK      |
| 0603059 | STREET SPILL                          | 200 6TH AVE                | MANHATTAN     |
| 9302119 | HUDSON RIVER MORTON & BAR             | MORTON & BARROW ST RIVER   | MANHATTAN     |
| 0400894 | HOLLAND TUNNEL                        | HUDSON & CANAL STREET      | MANHATTAN     |
| 9608593 | HUDSON STREET APPROACH                | HOLLAND TUNNEL & HUDSON ST | NEW YORK      |
| 9701190 | HUDSON STREET APROACH TO              | HOLLAND TUNNEL             | MANHATTAN     |
| 0610133 | FIREHOUSE                             | EAST HOUSTON STREET/6TH A  | NEW YORK      |
| 9500629 | 46 CARMINE STREET                     | 46 CARMINE STREET          | MANHATTAN     |
| 0508186 | SADDLE TANK SPILL                     | WATTS ST/VARICK ST         | MANHATTAN     |
| 9905555 | MANHOLE 47359                         | VARICK & WATT ST           | MANHATTAN     |
| 0606412 | TRAFFIC ACCIDENT                      | WATT ST / VARICK ST        | MANHATTAN     |
| 8912181 | MOBIL S/S                             | 140-52 6TH AVE             | NEW YORK      |
| 9406927 | MOBIL S/S                             | 140-52 6TH AVE             | NEW YORK      |
| 0110291 |                                       | 10 DOWNING ST              | MANHATTAN     |
| 9211278 | 443 GREENWICH ST                      | 443 GREENWICH ST           | MANHATTAN     |
| 9802758 |                                       | 97 SULLIVAN ST             | MANHATTAN     |
| 9904535 |                                       | 97 SULLIVAN STREET         | NEW YORK      |
| 0006717 |                                       | 107-109 SULLIVAN ST        | NEW YORK      |
| 9814236 | E OF VERICK                           | GRAND ST                   | MANHATTAN     |
| 9408937 | 181 HUDSON ST                         | 181 HUDSON ST- APT COMP.   | MANHATTAN     |
| 9907869 | 90 BEDFORD STREET                     | 90 BEDFORD ST              | NEW YORK      |

|         |                                       |                                |               |
|---------|---------------------------------------|--------------------------------|---------------|
| 9702349 | APARTMENT BLDG                        | 654 WASHINGTON                 | NEW YORK      |
| 9314136 | 79 MACDOUGAL ST.                      | 79 MACDOUGAL ST.               | MANHATTAN     |
| 9702676 | ST VERONICAS CHURCH                   | 155 CHRISTOPHER ST             | NEW YORK      |
| 0408226 | ON SIDEWALK                           | 7 MORTON STREET                | NEW YORK      |
| 0304754 | 51 THOMPSON ST                        | 51 THOMPSON ST                 | NEW YORK      |
| 9210545 | 690 GREENWICH ST                      | 690 GREENWICH ST               | NEW YORK      |
| 0105726 | MANHOLE 44343                         | 9 COMMERCE ST                  | MANHATTAN     |
| 0013127 | THOMPSON ST &                         | SPRING ST                      | MANHATTAN     |
| 9713269 |                                       | 35 VESTRY ST                   | MANHATTAN     |
| 9813011 |                                       | 11 CARMINE ST                  | NEW YORK CITY |
| 9908077 |                                       | VARICK & CANAL ST              | MANHATTAN     |
| 9607817 | ROADWAY                               | CANAL ST & VESEY ST            | MANHATTAN     |
| 8708613 | 417 CANAL ST BYPASS/MANH              | 417 CANAL ST                   | NEW YORK CITY |
| 8806990 | 259 BLEECKER ST                       | 259 BLEECKER ST                | NYC           |
| 9307393 | BROOME & THOMPSON                     | BROOME & THOMPSON              | MANHATTAN     |
| 9514288 | THOMPSON ST & BROOME ST               | THOMPSON ST & BROOME ST        | NEW YORK      |
| 9713321 |                                       | 72 THOMPSON ST                 | MANHATTAN     |
| 0404775 | MANHOLE #45923                        | WATTS STREET/THOMPSON          | MANHATTAN     |
| 9105513 | 167 HUDSON ST                         | 167 HUDSON ST                  | NYC           |
| 8700871 | @ PIER 42 / MANHATTEN                 | PIER 42                        | MANHATTAN     |
| 0411679 | APARTMENT                             | 277 WEST 10TH STREET           | MANHATTAN     |
| 9312475 | 277 WEST 10TH ST.                     | 277 WEST 10TH STREET           | MANHATTAN     |
| 9314195 | 277 WEST 10TH STREET                  | 277 WEST 10TH STREET           | MANHATTAN     |
| 8905204 | KETREC MGMT                           | 277 WEST 10TH STREET           | MANHATTAN     |
| 9502615 | 125 CHRISTOPHER ST                    | 125 CHRISTOPHER ST             | MANHATTAN     |
| 0400797 | APARTMENT                             | 125 CHRISTOPHER STREET         | MANHATTAN     |
| 9814621 | VOLROCE CORP                          | 414-416 W BROADWAY             | MANHATTAN     |
| 9613061 | 390 WEST BROADWAY                     | 390 WEST BROADWAY              | MANHATTAN     |
| 0009608 |                                       | 171 SULLIVAN ST                | MANHATTAN     |
| 0212366 | 171 SULLIVAN ST                       | 171 SULLIVAN ST                | MANHATTAN     |
| 0801034 | APARTMENT                             | 110 CHRISTOPHER STREET         | NEW YORK      |
| 0511677 | SHAFT #29B                            | HUDSON/LIAGHT STREET           | MANHATTAN     |
| 0110105 | APT BUILDING                          | 119 CHRISTOPHER ST             | MANHATTAN     |
| 9312428 |                                       | 119 CHRISTOPHER STREET         | NEW YORK      |
| 9314360 | 32 THOMPSON STREET                    | 32 THOMPSON STREET             | MANHATTAN     |
| 0108177 |                                       | 32 THOMPSON STREET             | MANHATTAN     |
| 9703402 | 170 BLEECKER ST                       | 170 BLEECKER ST                | MANHATTAN     |
| 0707892 | ESCAVATION SITE                       | THOMPSONS/GRAND                | MANHATTAN     |
| 9405382 | 356-360 WEST BROADWAY                 | 360 WEST BROADWAY              | NEW YORK      |
| 9412770 | 98 CHRISTOPHER ST                     | 98 CHRISTOPHER ST              | MANHATTAN     |
| 9412777 | 98 CHRISTOPHER ST                     | 98 CHRISTOPHER ST              | MANHATTAN     |
| 9703963 | LAIGHT ST / WEST ST                   | IN STREET                      | MANHATTAN     |
| 0707806 | XFMR IN VAULT # V9259 HAS BOTTOM LEAK | CHARLES ST & WASHINGTON STREET | MANHATTAN     |
| 0103837 |                                       | 114 MACDOUGAL ST               | MANHATTAN     |

|         |                                    |                                |               |
|---------|------------------------------------|--------------------------------|---------------|
| 9312922 | 387 WEST BROADWAY                  | 387 WEST BROADWAY              | MANHATTAN     |
| 0807252 | NORTH WEST CORNER 6TH AVE CANAL ST | NORTHWEST CORNER 6TH AVE CANAL | MANHATTAN     |
| 0502915 | VAULT # 264                        | 497 BROOME STREET              | MANHATTAN     |
| 9413976 | 383 WEST BROADWAY                  | 383 WEST BROADWAY              | MANHATTAN     |
| 9813719 |                                    | 71 WOOSTER ST                  | MANHATTAN     |
| 0805642 | CON ED                             | 65 WOOSTER ST                  | MANHATTAN     |
| 0012624 | MANHOLE #37270                     | HUDSON ST & HUBERT ST          | MANHATTAN     |
| 9908080 | MANHOLE 37274                      | HUDSON ST & HUBERT STREET      | MANHATTAN     |
| 8603006 | CANAL STREET PUMPING STAT          | CANAL ST & THOMPSON ST.        | NEW YORK CITY |
| 0011006 | ENVIORNMENTAL FUEL CONTRO          | 1317 LAIGHT ST                 | MANHATTAN     |
| 9614028 | 180 THOMPSON STREET                | 180 THOMPSON STREET            | MANHATTAN     |
| 0413562 | MANHOLE                            | W 3RD ST / MACDOUGAL ST        | MANHATTAN     |
| 0007380 | BROOME ST BET BROADWAY             | BROOME ST & WOOSTER ST         | MANHATTAN     |
| 0203851 | VERIZON                            | 50 VARICK ST                   | MANHATTAN     |
| 0700245 | RESIDENCE                          | 350 BLEECKER ST APT 5X         | NEW YORK      |
| 9810473 | VAULT #5217                        | 155 PERRY ST                   | MANHATTAN     |
| 9512066 | MOBIL GAS STATION                  | 386 CANAL STREET               | MANHATTAN     |
| 9601699 | MOBIL S/S                          | 386 CANAL STREET               | MANHATTAN     |
| 9601700 | MOBIL                              | 386 CANAL STREET               | MANHATTAN     |
| 9812351 | SPRING ST ASSOCIATES               | 131 SPRING ST                  | NEW YORK      |
| 9800284 | WEST 4 TH                          | GROVE ST                       | MANHATTAN     |
| 9515326 | CHRISTOPHER ST &                   | 7TH AV SO. & CHRISTOPHER       | MANHATTAN     |
| 0605732 | MANHOLE # 46239                    | 6 AVENUE & YORK STREET         | MANHATTAN     |



***NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS***


**PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS**

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 215**     **TRINITY CHURCH CORP.**  
559 GREENWICH ST

**Facility Id: NY09889**  
NEW YORK, NY 10014

**Source: NYC FIRE DEPT**  
TT-Id: 660A-0005-668

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 0 feet

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: SG TO 550G     ADD 1 UNIT  
2 550TK 1100G GS     AUTOS 91

**Map Identification Number 216**     **345 HUDSON ST**  
345 HUDSON ST

**Facility Id: 2-158976**  
NEW YORK, NY 10014

**Source: NYS DEC**  
TT-Id: 640A-0033-750

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 170 feet to the E\*

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building

Site Status: Active

Expiration Date of the facility's registration certificate: 06/05/2012

Operator Name: ROBERT THOMSON

Owner Name: THOMAS CANCELLIERE - DIRECTOR

Owner Company: TRINITY CHURCH IN THE NYC RECTOR WARDENS VESTRYMEN

Owner Address: 74 TRINITY PLACE, NEW YORK, NY 10006

Operator Phone #: (212) 924-0565

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                   | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|------------------------------------|-----------------|--------------|---------------|
| 001            | In Service     | #6 Fuel Oil     | 20000               | Aboveground - in contact with soil | 05/15/1997      |              |               |

TANK NUMBER: 001

TANK EXT. PROTECTION: None

PIPING EXT. PROTECTN: None

PIPING TYPE: Steel/Carbon Steel/Iron

TANK TYPE:

TANK LEAK DETECTN: None

PIPING LEAK DETECTN: Exempt Suction Piping

PIPING LOCATION: No Piping

TK INT. PROTECTION: None

TK SEC. CONTAINMNT: Vault (w/o access)

PIPE SEC. CONTAINMNT:

\*\*\*\* TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE \*\*\*\*

OVERFILL PROTECTION: Product Level Gauge (A/G)

SPILL PREVENTION:

DISPENSER METHOD: Suction

**Map Identification Number 217**      **UNITED PARCEL SERVICE**  
 325 WEST HOUSTON STREET

**Facility Id: 2-198587**      **Source: NYS DEC**  
 NEW YORK, NY 10014      TT-Id: 640A-0033-744

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 236 feet to the WSW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10013

Facility Type: Trucking/Transportation/Fleet Operation

Site Status: Active

Expiration Date of the facility's registration certificate: 07/10/2007

Operator Name: LARRY FORESTER

Operator Phone #: (212) 229-0950

Owner Name:

Owner Company: UNITED PARCEL SERVICES

Owner Type: Corporate or Commercial

Owner Address: 643 WEST 43RD STREET, NEW YORK, NY 10036

| TANK<br>NUMBER | TANK<br>STATUS    | TANK<br>CONTENT    | CAPACITY<br>GALLONS | TANK<br>LOCATION                     | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|-------------------|--------------------|---------------------|--------------------------------------|-----------------|--------------|---------------|
| 001            | Closed - In Place | Gasoline           | 1500                | Underground                          |                 |              | 11/01/1992    |
| 002            | Closed - In Place | Gasoline           | 1500                | Underground                          |                 |              | 11/01/1992    |
| 003            | Closed - In Place | Gasoline           | 1500                | Underground                          |                 |              | 11/01/1992    |
| 004            | Closed - In Place | Gasoline           | 1500                | Underground                          |                 |              | 11/01/1992    |
| 005            | Closed - In Place | Diesel             | 1500                | Underground                          |                 |              | 11/01/1992    |
| 006            | Closed - In Place | Diesel             | 1500                | Underground                          |                 |              | 11/01/1992    |
| 007            | Closed - In Place | Diesel             | 1500                | Underground                          |                 |              | 11/01/1992    |
| 008            | Closed - In Place | Diesel             | 1500                | Underground                          |                 |              | 11/01/1992    |
| 009            | Closed - In Place | Diesel             | 1500                | Underground                          |                 |              | 11/01/1992    |
| 010            | Closed - In Place | Diesel             | 1500                | Underground                          |                 |              | 11/01/1992    |
| 011            | Closed - In Place | Diesel             | 1500                | Underground                          |                 |              | 11/01/1992    |
| 012            | Closed - In Place | Diesel             | 1500                | Underground                          |                 |              | 11/01/1992    |
| 013            | Closed - In Place | #2 Fuel Oil        | 3000                | Underground                          |                 |              | 11/01/1992    |
| 014            | In Service        | Gasoline           | 4000                | Underground                          | 12/01/1992      | 04/29/2005   |               |
| 015            | In Service        | Diesel             | 4000                | Underground                          | 12/01/1992      | 04/29/2005   |               |
| 016            | In Service        | Diesel             | 4000                | Underground                          | 12/01/1992      | 04/29/2005   |               |
| 017            | In Service        | Waste Oil/Used Oil | 250                 | Aboveground on crib, rack, or cradle | 10/01/1995      |              |               |
| 018            | In Service        | Lube Oil           | 300                 | Aboveground on crib, rack, or cradle | 10/01/1995      |              |               |
| 019            | In Service        | Lube Oil           | 300                 | Aboveground on crib, rack, or cradle | 10/01/1995      |              |               |

TANK NUMBER: 001

TANK TYPE: Steel/Carbon Steel/Iron

TK INT. PROTECTION: None

TANK EXT. PROTECTION: None

TANK LEAK DETECTN: None

TK SEC. CONTAINMNT: None

PIPING EXT. PROTECTN: None

PIPING LEAK DETECTN:

PIPE SEC. CONTAINMNT:

PIPING TYPE: Galvanized Steel

PIPING LOCATION: No Piping

\*\*\*\* TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE \*\*\*\*

OVERFILL PROTECTION: None

TANK NUMBER: 002  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK NUMBER: 003  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK NUMBER: 004  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK NUMBER: 005  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK NUMBER: 006  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK NUMBER: 007  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK NUMBER: 008  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK NUMBER: 009

\*\*\*\* TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE \*\*\*\*

SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None

TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:  
 DISPENSER METHOD: Suction

TANK NUMBER: 010  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:  
 DISPENSER METHOD: Suction

TANK NUMBER: 011  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:  
 DISPENSER METHOD: Suction

TANK NUMBER: 012  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:  
 DISPENSER METHOD: Suction

TANK NUMBER: 013  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Galvanized Steel  
 OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: No Piping  
 SPILL PREVENTION:

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:  
 DISPENSER METHOD: Suction

TANK NUMBER: 014  
 TANK EXT. PROTECTION: Painted/Asphalt Coating  
 Original Sacrificial Anode  
 PIPING EXT. PROTECTN: Original Sacrificial Anode  
 Fiberglass  
 PIPING TYPE: Fiberglass Reinforced Plastic(FRP)  
 OVERFILL PROTECTION: High Level Alarm  
 Automatic Shut-Off

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: Interstitial - Electronic Monitoring  
 In-Tank System (ATG)  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: Underground/On-ground  
 SPILL PREVENTION:

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: Double-Walled (Underground)  
 PIPE SEC. CONTAINMNT:  
 DISPENSER METHOD: Submersible

TANK NUMBER: 015  
 TANK EXT. PROTECTION: Painted/Asphalt Coating  
 Original Sacrificial Anode  
 PIPING EXT. PROTECTN: Original Sacrificial Anode  
 Fiberglass  
 PIPING TYPE: Fiberglass Reinforced Plastic(FRP)  
 OVERFILL PROTECTION: High Level Alarm

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: Interstitial - Electronic Monitoring  
 In-Tank System (ATG)  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: Underground/On-ground  
 SPILL PREVENTION:

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: Double-Walled (Underground)  
 PIPE SEC. CONTAINMNT:  
 DISPENSER METHOD: Submersible

\*\*\*\* TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE \*\*\*\*



## Automatic Shut-Off

|                       |                                    |                      |                                      |                       |                             |
|-----------------------|------------------------------------|----------------------|--------------------------------------|-----------------------|-----------------------------|
| TANK NUMBER:          | 016                                | TANK TYPE:           | Steel/Carbon Steel/Iron              | TK INT. PROTECTION:   | None                        |
| TANK EXT. PROTECTION: | Painted/Asphalt Coating            | TANK LEAK DETECTN:   | Interstitial - Electronic Monitoring | TK SEC. CONTAINMNT:   | Double-Walled (Underground) |
| PIPING EXT. PROTECTN: | Original Sacrificial Anode         | PIPING LEAK DETECTN: | In-Tank System (ATG)                 | PIPE SEC. CONTAINMNT: |                             |
| PIPING TYPE:          | Fiberglass                         | PIPING LOCATION:     | Underground/On-ground                | DISPENSER METHOD:     | Submersible                 |
| OVERFILL PROTECTION:  | Fiberglass Reinforced Plastic(FRP) | SPILL PREVENTION:    |                                      |                       |                             |
|                       | High Level Alarm                   |                      |                                      |                       |                             |
|                       | Automatic Shut-Off                 |                      |                                      |                       |                             |
| TANK NUMBER:          | 017                                | TANK TYPE:           | Steel/Carbon Steel/Iron              | TK INT. PROTECTION:   | None                        |
| TANK EXT. PROTECTION: | Painted/Asphalt Coating            | TANK LEAK DETECTN:   | None                                 | TK SEC. CONTAINMNT:   | None                        |
| PIPING EXT. PROTECTN: | None                               | PIPING LEAK DETECTN: | Exempt Suction Piping                | PIPE SEC. CONTAINMNT: |                             |
| PIPING TYPE:          | Steel/Carbon Steel/Iron            | PIPING LOCATION:     | Aboveground                          | DISPENSER METHOD:     | Suction                     |
| OVERFILL PROTECTION:  | Product Level Gauge (A/G)          | SPILL PREVENTION:    |                                      |                       |                             |
| TANK NUMBER:          | 018                                | TANK TYPE:           | Steel/Carbon Steel/Iron              | TK INT. PROTECTION:   | None                        |
| TANK EXT. PROTECTION: | Painted/Asphalt Coating            | TANK LEAK DETECTN:   | None                                 | TK SEC. CONTAINMNT:   | None                        |
| PIPING EXT. PROTECTN: | None                               | PIPING LEAK DETECTN: | Exempt Suction Piping                | PIPE SEC. CONTAINMNT: |                             |
| PIPING TYPE:          | Steel/Carbon Steel/Iron            | PIPING LOCATION:     | Aboveground                          | DISPENSER METHOD:     | Suction                     |
| OVERFILL PROTECTION:  | Product Level Gauge (A/G)          | SPILL PREVENTION:    |                                      |                       |                             |
| TANK NUMBER:          | 019                                | TANK TYPE:           | Steel/Carbon Steel/Iron              | TK INT. PROTECTION:   | None                        |
| TANK EXT. PROTECTION: | Painted/Asphalt Coating            | TANK LEAK DETECTN:   | None                                 | TK SEC. CONTAINMNT:   | None                        |
| PIPING EXT. PROTECTN: | None                               | PIPING LEAK DETECTN: | Exempt Suction Piping                | PIPE SEC. CONTAINMNT: |                             |
| PIPING TYPE:          | Steel/Carbon Steel/Iron            | PIPING LOCATION:     | Aboveground                          | DISPENSER METHOD:     | Suction                     |
| OVERFILL PROTECTION:  | Product Level Gauge (A/G)          | SPILL PREVENTION:    |                                      |                       |                             |

**Map Identification Number 218**      **NEW YORK TRUCK TERMINAL**  
 325 SPRING STREET

**Facility Id: 2-482706**      **Source: NYS DEC**  
 NEW YORK, NY 10013      TT-Id: 640A-0033-745

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 236 feet to the WSW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Unknown  
 Site Status: Administratively Closed  
 Expiration Date of the facility's registration certificate: 10/31/1995  
 Operator Name: HOLLAND TUNNEL  
 Owner Name:  
 Owner Company: PORT AUTHORITY OF NY & NJ  
 Owner Address: 1 WORLD TRADE CENTER, NEW YORK, NY 10048

Operator Phone #: (201) 714-7400

Owner Type:

| TANK<br>NUMBER | TANK<br>STATUS          | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|-------------------------|-----------------|---------------------|------------------|-----------------|--------------|---------------|
| 001            | Administratively Closed | #2 Fuel Oil     | 4000                | Underground      | 09/01/1960      |              | 08/01/1995    |
| 002            | Administratively Closed | Gasoline        | 6000                | Underground      | 09/01/1960      |              | 08/01/1995    |
| 003            | Administratively Closed | Gasoline        | 12000               | Underground      | 09/01/1960      |              | 08/01/1995    |

|                       |                         |                      |                         |                       |         |
|-----------------------|-------------------------|----------------------|-------------------------|-----------------------|---------|
| TANK NUMBER:          | 001                     | TANK TYPE:           | Steel/Carbon Steel/Iron | TK INT. PROTECTION:   | None    |
| TANK EXT. PROTECTION: | None                    | TANK LEAK DETECTN:   | None                    | TK SEC. CONTAINMNT:   | None    |
| PIPING EXT. PROTECTN: | None                    | PIPING LEAK DETECTN: |                         | PIPE SEC. CONTAINMNT: |         |
| PIPING TYPE:          | Steel/Carbon Steel/Iron | PIPING LOCATION:     | No Piping               |                       |         |
| OVERFILL PROTECTION:  | None                    | SPILL PREVENTION:    |                         | DISPENSER METHOD:     | Suction |

|                       |                         |                      |                         |                       |         |
|-----------------------|-------------------------|----------------------|-------------------------|-----------------------|---------|
| TANK NUMBER:          | 002                     | TANK TYPE:           | Steel/Carbon Steel/Iron | TK INT. PROTECTION:   | None    |
| TANK EXT. PROTECTION: | None                    | TANK LEAK DETECTN:   | None                    | TK SEC. CONTAINMNT:   | None    |
| PIPING EXT. PROTECTN: | None                    | PIPING LEAK DETECTN: |                         | PIPE SEC. CONTAINMNT: |         |
| PIPING TYPE:          | Steel/Carbon Steel/Iron | PIPING LOCATION:     | No Piping               |                       |         |
| OVERFILL PROTECTION:  | None                    | SPILL PREVENTION:    |                         | DISPENSER METHOD:     | Suction |

|                       |                         |                      |                         |                       |         |
|-----------------------|-------------------------|----------------------|-------------------------|-----------------------|---------|
| TANK NUMBER:          | 003                     | TANK TYPE:           | Steel/Carbon Steel/Iron | TK INT. PROTECTION:   | None    |
| TANK EXT. PROTECTION: | None                    | TANK LEAK DETECTN:   | None                    | TK SEC. CONTAINMNT:   | None    |
| PIPING EXT. PROTECTN: | None                    | PIPING LEAK DETECTN: |                         | PIPE SEC. CONTAINMNT: |         |
| PIPING TYPE:          | Steel/Carbon Steel/Iron | PIPING LOCATION:     | No Piping               |                       |         |
| OVERFILL PROTECTION:  | None                    | SPILL PREVENTION:    |                         | DISPENSER METHOD:     | Suction |

|                                      |                                        |                              |                        |
|--------------------------------------|----------------------------------------|------------------------------|------------------------|
| <b>Map Identification Number 219</b> | <b>UNITED PARCEL SERVICE</b>           | <b>Facility Id: 2-601579</b> | <b>Source: NYS DEC</b> |
|                                      | 522 GREENWICH ST (320 WEST HOUSTON ST) | NEW YORK, NY 10013           | TT-Id: 640A-0033-749   |

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 236 feet to the WSW

ADDRESS CHANGE INFORMATION  
Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Unknown  
Site Status: Unregulated  
Expiration Date of the facility's registration certificate: 08/27/1998  
Operator Name: GEORGE MCGEE  
Owner Name:  
Owner Company: UNITED PARCEL SERVICE  
Owner Address: 643 WEST 43RD STREET, NEW YORK, NY 10036

Operator Phone #: (212) 631-6243

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS    | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|-------------------|-----------------|---------------------|------------------|-----------------|--------------|---------------|
| 001            | Closed - In Place | Empty           | 550                 | Underground      | 11/01/1992      |              |               |
| 002            | Closed - In Place | Gasoline        | 1500                | Underground      | 11/01/1992      |              |               |
| 003            | Closed - In Place | Gasoline        | 1500                | Underground      | 11/01/1992      |              |               |
| 004            | Closed - In Place | Gasoline        | 1500                | Underground      | 11/01/1992      |              |               |
| 005            | Closed - In Place | Gasoline        | 1500                | Underground      | 11/01/1992      |              |               |
| 006            | Closed - In Place | Diesel          | 1500                | Underground      | 11/01/1992      |              |               |
| 007            | Closed - In Place | Diesel          | 1500                | Underground      | 11/01/1992      |              |               |
| 008            | Closed - In Place | Diesel          | 1500                | Underground      | 11/01/1992      |              |               |
| 009            | Closed - In Place | Diesel          | 1500                | Underground      | 11/01/1992      |              |               |
| 010            | Closed - In Place | Diesel          | 1500                | Underground      | 11/01/1992      |              |               |
| 011            | Closed - In Place | Diesel          | 1500                | Underground      | 11/01/1992      |              |               |
| 012            | Closed - In Place | Diesel          | 1500                | Underground      | 11/01/1992      |              |               |
| 013            | Closed - In Place | Diesel          | 1500                | Underground      | 11/01/1992      |              |               |

TANK NUMBER: 001  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: None  
PIPE SEC. CONTAINMNT:

DISPENSER METHOD:

TANK NUMBER: 002  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TANK NUMBER: 003  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TANK NUMBER: 004  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TANK NUMBER: 005  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:

\*\*\*\* TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE \*\*\*\*

OVERFILL PROTECTION: None

TANK NUMBER: 006  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK NUMBER: 007  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK NUMBER: 008  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK NUMBER: 009  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK NUMBER: 010  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK NUMBER: 011  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK NUMBER: 012  
TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK NUMBER: 013

\*\*\*\* TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE \*\*\*\*

SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron  
TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TANK TYPE: Steel/Carbon Steel/Iron

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None  
TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

TK INT. PROTECTION: None

TANK EXT. PROTECTION: None  
PIPING EXT. PROTECTN: None  
PIPING TYPE: Galvanized Steel  
OVERFILL PROTECTION: None

TANK LEAK DETECTN: None  
PIPING LEAK DETECTN:  
PIPING LOCATION: Underground/On-ground  
SPILL PREVENTION:

TK SEC. CONTAINMNT: Vault (w/o access)  
PIPE SEC. CONTAINMNT:  
DISPENSER METHOD: Suction

**Map Identification Number 220**      **537 GREENWICH STREET**  
537 GREENWICH STREET

NEW YORK, NY 10013

**Facility Id: 2-607414**

**Source: NYS DEC**  
TT-Id: 640A-0029-957

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 278 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Manufacturing (Other than Chemical)/Processing  
Site Status: Active  
Expiration Date of the facility's registration certificate: 02/08/2007  
Operator Name: ARNEL LINGAT  
Owner Name: STUART MINTON - MGR AGENT  
Owner Company: STUART MINTON JR,  
Owner Address: 211 CENTRAL PARK WEST, NEW YORK, NY 10024

Operator Phone #:

Owner Type: Private Resident

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                   | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|------------------------------------|-----------------|--------------|---------------|
| 001            | In Service     | #2 Fuel Oil     | 1500                | Aboveground - in contact with soil |                 |              |               |

**Map Identification Number 221**      **UNION CARD & PAPER**  
537 GREENWICH ST

NEW YORK, NY 10013

**Facility Id: NY09963**

**Source: NYC FIRE DEPT**  
TT-Id: 660A-0005-674

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 278 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: FO 1500G

**Map Identification Number 222**      **A B ILIBASSI REALTY CO**  
98 CHARLTON ST

**Facility Id: 2-316431**  
NEW YORK, NY 10014

**Source: NYS DEC**  
TT-Id: 640A-0033-753

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 290 feet to the SSE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building  
Site Status: Active  
Expiration Date of the facility's registration certificate: 07/10/2007  
Operator Name: ARSIM KATAJZI  
Owner Name:  
Owner Company: A B ILIBASSI REALTY CO  
Owner Address: P O BOX 3545, NEW HYDE PARK, NY 11040

Operator Phone #:

Owner Type: Private Resident

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                   | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|------------------------------------|-----------------|--------------|---------------|
| 001            | In Service     | #2 Fuel Oil     | 1500                | Aboveground - in contact with soil |                 |              |               |

**Map Identification Number 223**      **WHITEHALL STORAGE(WHITEHALL BUSINESS ARCHIEVES INC**  
333 HUDSON STREET

**Facility Id: 2-607317**  
NEW YORK, NY 10013

**Source: NYS DEC**  
TT-Id: 640A-0029-735

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 337 feet to the SE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Other  
Site Status: Active  
Expiration Date of the facility's registration certificate: 01/16/2007  
Operator Name: AUGUSTUS IONESCU  
Owner Name:  
Owner Company: WHITEHALL BUSINESS ARCHIEVES, INC.(AS NET LESSEE)  
Owner Address: 40 WORTH STREET, NEW YORK, NY 10013

Operator Phone #: (212) 675-0156

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                   | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|------------------------------------|-----------------|--------------|---------------|
| 1              | In Service     | #2 Fuel Oil     | 5000                | Aboveground - in contact with soil |                 |              |               |

**Map Identification Number 224**      **V-DOG CONDOMINIUM**  
95 VANDAM STREET

**Facility Id: 2-399272**  
NEW YORK, NY 10013

**Source: NYS DEC**  
TT-Id: 640A-0033-762

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 341 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building  
Site Status: Active  
Expiration Date of the facility's registration certificate: 11/02/2009  
Operator Name: C. BROWN  
Owner Name: JOHN WELLMANN - PROPERTY MANAGER AS AGENT  
Owner Company: V-DOG CONDOMINIUM C/O ANDREWS BLDG. CORP  
Owner Address: 666 BROADWAY, NEW YORK, NY 10012

Operator Phone #: (917) 845-9423

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                   | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|------------------------------------|-----------------|--------------|---------------|
| 001            | In Service     | #2 Fuel Oil     | 2000                | Aboveground - in contact with soil |                 |              |               |

**Map Identification Number 225**      **DAVID SILVERSTEIN**  
95 VANDAM ST

**Facility Id: NY03087**  
NEW YORK, NY 10013

**Source: NYC FIRE DEPT**  
TT-Id: 660A-0005-128

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 341 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: F O #2 2500G  
FUEL OIL #4

**Map Identification Number 226**      **HUDSON TELECOM CENTER LLC**  
325 HUDSON STREET

**Facility Id: 2-305456**  
NEW YORK, NY 10013

**Source: NYS DEC**  
TT-Id: 640A-0033-754

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 381 feet to the SSE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Other  
Site Status: Active  
Expiration Date of the facility's registration certificate: 11/29/2009  
Operator Name: JOE FISSO

Operator Phone #: (212) 741-1440

Owner Name: FRANK MOLLO - PROPERTY MANAGER  
 Owner Company: HUDSON TELECOM CENTER LLC C/O BRISTOL GROUP INC.  
 Owner Address: 400 MONTGOMERY STREET, SAN FRANCISCO, CA 94104

Owner Type: Corporate or Commercial

| TANK<br>NUMBER                                                                                  | TANK<br>STATUS          | TANK<br>CONTENT  | CAPACITY<br>GALLONS | TANK<br>LOCATION                         | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|-------------------------------------------------------------------------------------------------|-------------------------|------------------|---------------------|------------------------------------------|-----------------|--------------|---------------|
| 002                                                                                             | Administratively Closed | Diesel           | 5000                | Aboveground on crib, rack, or cradle     | 12/01/2000      |              |               |
| 1                                                                                               | In Service              | #2 Fuel Oil      | 3100                | Abovegrnd - in contact w/imperv. barrier | 10/01/2000      |              |               |
| 1-A                                                                                             | Closed - Removed        | #6 Fuel Oil      | 10000               | Abovegrnd - in contact w/imperv. barrier |                 |              | 11/03/1999    |
| 2                                                                                               | In Service              | #2 Fuel Oil      | 1500                | Abovegrnd - in contact w/imperv. barrier | 04/01/2000      |              |               |
| 3                                                                                               | In Service              | #2 Fuel Oil      | 5500                | Abovegrnd - in contact w/imperv. barrier | 11/01/2000      |              |               |
| 4                                                                                               | In Service              | #2 Fuel Oil      | 10000               | Abovegrnd - in contact w/imperv. barrier | 10/01/2000      |              |               |
| The following tank(s) were either deleted from the reported data or the number was re-assigned. |                         |                  |                     |                                          |                 |              |               |
| 001                                                                                             | IN SERVICE              | #5 OR 6 FUEL OIL | 10000               | ABOVEGROUND                              |                 |              |               |

**Map Identification Number 227**      **VERIZON - GLOBOL NETWORKS INC.**  
 325 HUDSON STREET

**Facility Id: 2-609617**  
 NEW YORK, NY 10013

**Source: NYS DEC**  
 TT-Id: 640A-0030-046

#### MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 381 feet to the SSE

#### ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Site Status: Active  
 Expiration Date of the facility's registration certificate: 06/17/2009

Detailed site and tank information for this site has not been made publicly available by the NYSDEC since 1/1/2002. The following is historic data:

Facility Type: Utility (Other than Municipal)

#### TANK INFORMATION

Aboveground tanks: Yes      Underground tanks: No

**Map Identification Number 228**      **350 HUDSON ST**  
 350 HUDSON ST

**Facility Id: 2-158941**  
 NEW YORK, NY 10014

**Source: NYS DEC**  
 TT-Id: 640A-0033-751

#### MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 455 feet to the E

#### ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building  
 Site Status: Active  
 Expiration Date of the facility's registration certificate: 06/05/2012  
 Operator Name: STEVEN STAHL

Operator Phone #: (212) 924-2378



Owner Name: THOMAS CANCELLIERE - DIRECTOR  
 Owner Company: RECTOR CHURCHWARDENS & VESTKYMEN OF TRINITY CHURCH  
 Owner Address: 74 TRINITY PLACE, NEW YORK, NY 10006  
 Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                   | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|------------------------------------|-----------------|--------------|---------------|
| 001            | In Service     | #2 Fuel Oil     | 5000                | Aboveground - in contact with soil | 03/01/1987      |              |               |
| 002            | In Service     | #2 Fuel Oil     | 5000                | Aboveground - in contact with soil | 03/01/1978      |              |               |

**Map Identification Number 229 UNITED PARCEL**  
 320 W HOUSTON ST

**Facility Id: NY09989**  
 NEW YORK, NY 10014  
**Source: NYC FIRE DEPT**  
 TT-Id: 660A-0005-676

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 465 feet to the NNW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: PFS 33 550G UTS 10 1500TKS 15000G  
 2 1500TK 3000G DO PK LOT 50 AUTOS  
 MVRS LUB OIL 250

**Map Identification Number 230 350 WEST STREET**  
 350 WEST STREET

**Facility Id: 2-031925**  
 NEW YORK, NY 10014  
**Source: NYS DEC**  
 TT-Id: 640A-0033-742

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 498 feet to the WNW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Trucking/Transportation/Fleet Operation  
 Site Status: Unregulated  
 Expiration Date of the facility's registration certificate: 02/04/2002  
 Operator Name: EUGENE M GRANT  
 Owner Name:  
 Owner Company: EUGENE M GRANT & CO  
 Owner Address: 277 PARK AVENUE, NEW YORK, NY 10172

Operator Phone #: (212) 929-5075

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS    | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|-------------------|-----------------|---------------------|------------------|-----------------|--------------|---------------|
| 0E1            | Closed - In Place | #2 Fuel Oil     | 4000                | Underground      | 06/01/1978      |              | 07/01/1997    |

**Map Identification Number 231**      **MERRILL LYNCH & CO., INC.**  
570 WASHINGTON STREET

**Facility Id: 2-603077**  
NEW YORK, NY 10011

**Source: NYS DEC**  
TT-Id: 640A-0032-650

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 498 feet to the WNW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10014

Facility Type: Other

Site Status: Active

Expiration Date of the facility's registration certificate: 07/22/2007

Operator Name: NEIL HOGAN

Owner Name:

Owner Company: MERRILL LYNCH &amp; CO., INC.

Owner Address: 225 LIBERTY STREET, NEW YORK, NY 10080

Operator Phone #: (212) 647-2474

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                     | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|--------------------------------------|-----------------|--------------|---------------|
| 001            | In Service     | Diesel          | 20000               | Aboveground on crib, rack, or cradle | 02/01/1970      |              |               |
| 002            | In Service     | Diesel          | 275                 | Aboveground on crib, rack, or cradle | 01/01/1971      |              |               |

**Map Identification Number 232**      **MCI - NEYCN**  
560 WASHINGTON STREET

**Facility Id: 2-603912**  
NEW YORK, NY 10014

**Source: NYS DEC**  
TT-Id: 640A-0033-743

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 498 feet to the WNW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Facility Type: Other

Site Status: Active

Expiration Date of the facility's registration certificate: 01/27/2009

Operator Name: LUIS OROZCO

Owner Name: DAVID LELAND - REGIONAL ENVIRONMENTAL REP.

Owner Company: MCI

Owner Address: 2400 N. GLENVILLE DR., RICHARDSON, TX 75082

Operator Phone #: (212) 843-3177

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                       | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|----------------------------------------|-----------------|--------------|---------------|
| 1              | In Service     | Diesel          | 10000               | Aboveground - 10% or more below ground | 07/01/1998      |              |               |

**Map Identification Number 233**      **330 HUDSON STREET**  
330 HUDSON STREET

**Facility Id: 2-510920**  
NEW YORK, NY 10013

**Source: NYS DEC**  
TT-Id: 640A-0033-760

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 525 feet to the SE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Other  
Site Status: Active  
Expiration Date of the facility's registration certificate: 02/05/2006  
Operator Name: ERNIE  
Owner Name:  
Owner Company: WHITEHALL BUSINESS ARCHIVES  
Owner Address: MR.FUCHS/40 WORTH STREET, NEW YORK, NY 10013

Operator Phone #: (212) 966-4800

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                   | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|------------------------------------|-----------------|--------------|---------------|
| 001            | In Service     | #6 Fuel Oil     | 7500                | Aboveground - in contact with soil |                 |              |               |

**Map Identification Number 234**      **326 HUDSON ST**  
326 HUDSON ST

**Facility Id: 2-154822**  
NEW YORK, NY 10013

**Source: NYS DEC**  
TT-Id: 640A-0033-761

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 525 feet to the SE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building  
Site Status: Active  
Expiration Date of the facility's registration certificate: 06/05/2012  
Operator Name: DINO CELIC  
Owner Name: THOMAS CANCELLIERE - DIRECTOR  
Owner Company: VESTRYMEN OF TRINITY CHURCH OF NYC REC.WARDENS  
Owner Address: 74 TINY PLACE, NEW YORK, NY 10006

Operator Phone #: (212) 255-0829

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                   | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|------------------------------------|-----------------|--------------|---------------|
| 001            | In Service     | #6 Fuel Oil     | 7500                | Aboveground - in contact with soil | 08/01/1982      |              |               |

**Map Identification Number 235**      **VERIZON NEW YORK, INC.**  
84 KING STREET

**Facility Id: 2-344680**  
NEW YORK, NY 10014

**Source: NYS DEC**  
TT-Id: 640A-0039-767

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 574 feet to the E

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Site Status: Waste Oil Storer  
Expiration Date of the facility's registration certificate: 12/14/2007

Detailed site and tank information for this site has not been made publicly available by the NYSDEC since 1/1/2002. The following is historic data:

Facility Type: Utility (Other than Municipal)

**TANK INFORMATION**

Aboveground tanks: Yes      Underground tanks: No

Operator Name: BELL ATLANTIC  
Owner Name:  
Owner Company:  
Owner Address: 221 EAST 37TH STREET, 4TH FLOOR, NEW YORK, NY 10016

Operator Phone #:  
Owner Type: Corporate/Commercial

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT   | CAPACITY<br>GALLONS | TANK<br>LOCATION              | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-------------------|---------------------|-------------------------------|-----------------|--------------|---------------|
| 001            | IN SERVICE     | UNLEADED GASOLINE | 4000                | UNDERGROUND                   |                 |              |               |
| 002            | IN SERVICE     | USED OIL          | 275                 | ABOVEGROUND ON LEGS RACKS ETC | 07/01/1994      |              |               |

**Map Identification Number 236**      **MICHAEL BRODY**  
71 CHARLTON ST

**Facility Id: 2-233315**  
NEW YORK, NY 10014

**Source: NYS DEC**  
TT-Id: 640A-0039-768

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 574 feet to the E

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Unknown  
Site Status: Active  
Expiration Date of the facility's registration certificate: 07/07/1992  
Operator Name: MICHAEL BRODY C/O KING ST GARA  
Owner Name:  
Owner Company: MICHAEL BRODY C/O KING ST GARA  
Owner Address: 84 KING ST, NEW YORK, NY 10014

Operator Phone #:  
Owner Type: Private Resident

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                   | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|------------------------------------|-----------------|--------------|---------------|
| 001            | In Service     | #2 Fuel Oil     | 1500                | Aboveground - in contact with soil |                 |              |               |

**Map Identification Number 237**      **315 HUDSON STREET**  
315 HUDSON STREET

**Facility Id: 2-601840**  
NEW YORK, NY 10013

**Source: NYS DEC**  
TT-Id: 640A-0033-756

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 576 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Other  
Site Status: Active  
Expiration Date of the facility's registration certificate: 05/06/2009  
Operator Name: ROLAND JONES  
Owner Name:  
Owner Company: VAN HUD REALTY CO.  
Owner Address: 110 EAST 59TH STREET, NEW YORK, NY 10022

Operator Phone #: (212) 929-5882

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS    | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                   | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|-------------------|-----------------|---------------------|------------------------------------|-----------------|--------------|---------------|
| 001            | Closed - In Place | #6 Fuel Oil     | 20000               | Aboveground - in contact with soil | 02/01/1986      |              | 10/20/1995    |
| 002            | Closed - In Place | #6 Fuel Oil     | 20000               | Aboveground - in contact with soil | 02/01/1986      |              | 10/20/1995    |
| 003            | In Service        | #6 Fuel Oil     | 8000                | Aboveground - in contact with soil | 11/20/1995      |              |               |

**Map Identification Number 238**      **74 CHARLTON ST.**  
74 CHARLTON STREET

**Facility Id: 2-608682**  
NEW YORK, NY 10014

**Source: NYS DEC**  
TT-Id: 640A-0039-766

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 597 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Manufacturing (Other than Chemical)/Processing  
Site Status: Active  
Expiration Date of the facility's registration certificate: 03/31/2008  
Operator Name: MIKE GOSSETT  
Owner Name:  
Owner Company: PLANNED SYSTEM INTEGRATION LTD.  
Owner Address: 61 VAN DAM STREET, NEW YORK, NY 10013

Operator Phone #: (212) 633-0008

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                     | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|--------------------------------------|-----------------|--------------|---------------|
| 001            | In Service     | #2 Fuel Oil     | 5000                | Aboveground on crib, rack, or cradle |                 |              |               |

**Map Identification Number 239**     **REX ENVELOPE CO**  
74 CHARLTON ST

**Facility Id: NY08450**  
NEW YORK, NY 10014

**Source: NYC FIRE DEPT**  
TT-Id: 660A-0005-610

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 597 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: F O NO 4 5000G

**Map Identification Number 240**     **TRIDENT MAILING SERVICE**  
315 SPRING ST

**Facility Id: 2-043915**  
NEW YORK, NY 10013

**Source: NYS DEC**  
TT-Id: 640A-0033-755

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 604 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Facility Type: Manufacturing (Other than Chemical)/Processing  
Site Status: Administratively Closed  
Expiration Date of the facility's registration certificate: 12/02/1996  
Operator Name: TRIDENT MAILING SERVICE  
Owner Name:  
Owner Company: TRIDENT MAILING SERVICE  
Owner Address: 315 SPRING ST, NEW YORK, NY 10013

Operator Phone #: (212) 645-5656

Owner Type: Corporate or Commercial

| TANK<br>NUMBER | TANK<br>STATUS          | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|-------------------------|-----------------|---------------------|------------------|-----------------|--------------|---------------|
| 001            | Administratively Closed | #2 Fuel Oil     | 4000                | Underground      |                 | 09/01/1988   | 12/13/2002    |

**Map Identification Number 241**      **515 GREENWICH STREET**  
515 GREENWICH STREET

**Facility Id: 2-604460**  
NEW YORK, NY 10013

**Source: NYS DEC**  
TT-Id: 640A-0033-757

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 604 feet to the S

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Facility Type: Other

Site Status: Active

Expiration Date of the facility's registration certificate: 03/20/2010

Operator Name: MARK EPSTEIN

Operator Phone #: (212) 366-5439

Owner Name: ANTHONY BARRETT - V.P.

Owner Company: DARA PARTNERS L.P. C/O OSSA PROPERTIES INC

Owner Type: Corporate or Commercial

Owner Address: 30 EAST 60TH STREET, #403, NEW YORK, NY 10022

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|------------------|-----------------|--------------|---------------|
| 001            | In Service     | #2 Fuel Oil     | 5000                | Underground      |                 | 10/22/2004   |               |

**Map Identification Number 242**      **FEDERAL OFFICE BUILDING**  
201 VARICK STREET

**Facility Id: 2-609564**  
NEW YORK CITY, NY 10014

**Source: NYS DEC**  
TT-Id: 640A-0039-752

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 646 feet to the ENE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Facility Type: Other

Site Status: Active

Expiration Date of the facility's registration certificate: 05/19/2009

Operator Name: FEDERAL GOVT

Operator Phone #: (212) 337-2693

Owner Name: JOSEF YANNOTTI - ASSISTANT PORPERTY MANAGER

Owner Company: U. S. GENERAL SERVICES ADMINISTRATION

Owner Type: Federal Government

Owner Address: 26 FEDERAL PLAZA, NEW YORK CITY, NY 10278

| TANK<br>NUMBER | TANK<br>STATUS | TANK<br>CONTENT | CAPACITY<br>GALLONS | TANK<br>LOCATION                  | INSTALL<br>DATE | TEST<br>DATE | CLOSE<br>DATE |
|----------------|----------------|-----------------|---------------------|-----------------------------------|-----------------|--------------|---------------|
| 1              | In Service     | Diesel          | 4000                | Underground, vaulted, with access | 10/01/1986      |              |               |



### HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

#### Map Identification Number 243

#### NYSDEC Name:

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

#### BOWNE OF NEW YORK

345 HUDSON STREET

BOWNE OF NEW YORK CITY INC

345 HUDSON ST - 10TH FL

NEW YORK, NY 10014

NEW YORK, NY 100144502

#### Facility Id: NYD046172797

TT-Id: 740A-0026-997

#### MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 186 feet to the ESE\*

#### ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Storer:

Receives offsite waste:

Treatment facility:

Notification date: 10/08/1991

Incinerator:

Transporter:

Part A notification date: 10/08/1991

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
SMALL QUANTITY GENERATOR

#### US EPA RCRA Violations:

Violation Type: Generators - General

Violation Number: 0001 Location: NY

Former Citation:

Responsible Agency: STATE

Violation Determination Date: 11/03/1995

Violation Return to Compliance: 04/27/1996

Violation Type: LDR - General

Violation Number: 0002 Location: NY

Former Citation:

Responsible Agency: STATE

Violation Determination Date: 11/03/1995

Violation Return to Compliance: 04/23/1996

#### NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION                                            | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|------------|--------------------------------------------------------------|--------------|-------------|------------------|------|
| D001       | Solid waste that exhibits the characteristic of ignitability | 48           | GALLONS     | GENERATED        | 1996 |
| D001       | Solid waste that exhibits the characteristic of ignitability | 450          | POUNDS      | GENERATED        | 1996 |
| D011       | Silver                                                       | 180          | POUNDS      | GENERATED        | 1996 |
| F005       | Spent non-halogenated solvents                               | 1300         | POUNDS      | GENERATED        | 1996 |
| F003       | Spent non-halogenated solvents                               | 600          | POUNDS      | GENERATED        | 1993 |



## Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Silver        | 7440224 |              | X            |              |              |              | 0.05mg/L* |

**Map Identification Number 244**      **NYSDEC Name:**      **PARISH OF TRINITY CHURCH**      **Facility Id: NYR000046490**  
 NYSDEC Address:      345 HUDSON ST      NEW YORK, NY 10014      TT-Id: 740A-0026-998  
 EPA (RCRA) Name:      PARISH OF TRINITY CHURCH  
 EPA (RCRA) Address:      345 HUDSON ST      NEW YORK, NY 10014

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 186 feet to the ESE\*

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: 11/03/1997

Part A notification date: 11/03/1997

Land Disposal:      Receives offsite waste:

Incinerator:

Storer:      Treatment facility:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
 CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| D001          | Solid waste that exhibits the characteristic of ignitability | 85              | GALLONS        | GENERATED           | 1999 |
| D002          | Solid waste that exhibits the characteristic of corrosivity  | 5               | GALLONS        | GENERATED           | 1997 |

**Map Identification Number 245**      **NYSDEC Name:**      **BOWNE BUSINESS COMM**      **Facility Id: NYD986985281**  
 NYSDEC Address:      345 HUDSON STREET      NEW YORK, NY 10054      TT-Id: 740A-0026-999  
 EPA (RCRA) Name:      BOWNE BUSINESS COMMUNICATIONS  
 EPA (RCRA) Address:      345 HUDSON ST 3RD FL      NEW YORK, NY 100144502

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 186 feet to the ESE\*

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10014

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN  
Land Disposal: Receives offsite waste:  
Storer: Treatment facility:

Notification date: 01/08/1992  
Incinerator:  
Transporter:

Part A notification date: 01/08/1992

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:  
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| D001          | Solid waste that exhibits the characteristic of ignitability | 16              | GALLONS        | GENERATED           | 1993 |
| D001          | Solid waste that exhibits the characteristic of ignitability | 90              | POUNDS         | GENERATED           | 1992 |
| F003          | Spent non-halogenated solvents                               | 225             | POUNDS         | GENERATED           | 1992 |

**Map Identification Number 246**

**NYSDEC Name:**  
NYSDEC Address:  
EPA (RCRA) Name:  
EPA (RCRA) Address:

**TISHMAN SPEYER PRODUCTS**  
375 HUDSON STREET  
TISHMAN SPEYER PROPERTIES  
375 HUDSON ST

NEW YORK, NY 10014  
NEW YORK, NY 10014

**Facility Id: NYD986927408**  
TT-Id: 740A-0026-994

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 255 feet to the NE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN  
Land Disposal: Receives offsite waste:  
Storer: Treatment facility:

Notification date: 11/07/1994  
Incinerator:  
Transporter:

Part A notification date: 11/07/1994

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:  
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| D001          | Solid waste that exhibits the characteristic of ignitability | 55              | GALLONS        | GENERATED           | 1994 |

**Map Identification Number 247**      **NYSDEC Name:**      **QUAD GRAPHICS**      **Facility Id: NYR000023663**  
 NYSDEC Address:      375 HUDSON ST NE COR THE 1ST      NEW YORK, NY 10014      TT-Id: 740A-0026-995  
 EPA (RCRA) Name:      QUAD GRAPHICS  
 EPA (RCRA) Address:      375 HUDSON ST - NE COR OF      NEW YORK, NY 100143620  
                                  THE FIRST

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 255 feet to the NE

## ADDRESS CHANGE INFORMATION

Revised street: 375 HUDSON ST

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:      Receives offsite waste:

Storer:      Treatment facility:

Notification date: 05/09/1996

Part A notification date: 05/09/1996

Incinerator:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
 SMALL QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION                                           | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|------------|-------------------------------------------------------------|--------------|-------------|------------------|------|
| D002       | Solid waste that exhibits the characteristic of corrosivity | 745          | GALLONS     | GENERATED        | 1997 |
| D011       | Silver                                                      | 165          | GALLONS     | GENERATED        | 1997 |

## Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL       |
|---------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| Silver        | 7440224 |           | X         |           |           |           | 0.05mg/L* |

**Map Identification Number 248**      **EPA (RCRA) Name:**      **UNITED PARCEL SERVICE**      **Facility Id: NYD986902971**  
 EPA (RCRA) Address:      325 W HOUSTON ST      NEW YORK, NY 10013      TT-Id: 740A-0031-848  
 NYSDEC Name:      UNITED PARCEL SERVICE  
 NYSDEC Address:      320 W HOUSTON ST      NEW YORK, NY 10014

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 261 feet to the WSW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Special Note: The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR  
 Land Disposal: Receives offsite waste:  
 Storer: Treatment facility:

Notification date: 05/30/1990  
 Incinerator:  
 Transporter:

Part A notification date: 05/30/1990

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR  
 SMALL QUANTITY GENERATOR

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US EPA RCRA Violations:

Violation Type: Generators - Manifest  
 Violation Number: 0001 Location: NY  
 Former Citation:

Responsible Agency: STATE  
 Violation Determination Date: 07/30/1996  
 Violation Return to Compliance: 12/09/1996

Violation Type: Generators - General  
 Violation Number: 0002 Location: NY  
 Former Citation:

Responsible Agency: STATE  
 Violation Determination Date: 07/30/1996  
 Violation Return to Compliance: 12/09/1996

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NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

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| WASTE CODE                                                            | WASTE DESCRIPTION                                            | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|-----------------------------------------------------------------------|--------------------------------------------------------------|--------------|-------------|------------------|------|
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability | 208          | POUNDS      | GENERATED        | 2008 |
| D035                                                                  | Methyl ethyl ketone                                          | 80           | POUNDS      | GENERATED        | 2008 |
| More than one waste code was reported for the following waste amount: |                                                              |              |             |                  |      |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability | 485          | POUNDS      | GENERATED        | 2008 |
| D008                                                                  | Lead                                                         |              |             |                  |      |
| More than one waste code was reported for the following waste amount: |                                                              |              |             |                  |      |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability | 262          | POUNDS      | GENERATED        | 2008 |
| D035                                                                  | Methyl ethyl ketone                                          |              |             |                  |      |
| D008                                                                  | Lead                                                         | 65           | POUNDS      | GENERATED        | 2007 |
| More than one waste code was reported for the following waste amount: |                                                              |              |             |                  |      |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability | 84           | POUNDS      | GENERATED        | 2007 |
| D002                                                                  | Solid waste that exhibits the characteristic of corrosivity  |              |             |                  |      |
| More than one waste code was reported for the following waste amount: |                                                              |              |             |                  |      |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability | 95           | POUNDS      | GENERATED        | 2007 |
| D010                                                                  | Selenium                                                     |              |             |                  |      |

NYS DEC Manifested Waste Transactions for NYD986902971E continued --- see previous page

| WASTE<br>CODE                                                         | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|-----------------------------------------------------------------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| More than one waste code was reported for the following waste amount: |                                                              | 163             | POUNDS         | GENERATED           | 2007 |
| D005                                                                  | Barium                                                       |                 |                |                     |      |
| D035                                                                  | Methyl ethyl ketone                                          |                 |                |                     |      |
| More than one waste code was reported for the following waste amount: |                                                              | 124             | POUNDS         | GENERATED           | 2007 |
| D008                                                                  | Lead                                                         |                 |                |                     |      |
| D035                                                                  | Methyl ethyl ketone                                          |                 |                |                     |      |
| D039                                                                  | Tetrachloroethylene                                          |                 |                |                     |      |
| D018                                                                  | BENZENE                                                      | 390             | POUNDS         | GENERATED           | 2006 |
| P105                                                                  | Sodium azide                                                 | 101             | POUNDS         | GENERATED           | 2006 |
| U002                                                                  | Acetone (I)                                                  | 102             | POUNDS         | GENERATED           | 2006 |
| U240                                                                  | 2,4-D, salts & esters                                        | 195             | POUNDS         | GENERATED           | 2006 |
| More than one waste code was reported for the following waste amount: |                                                              | 20              | POUNDS         | GENERATED           | 2006 |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability |                 |                |                     |      |
| D007                                                                  | Chromium                                                     |                 |                |                     |      |
| More than one waste code was reported for the following waste amount: |                                                              | 136             | POUNDS         | GENERATED           | 2006 |
| U002                                                                  | Acetone (I)                                                  |                 |                |                     |      |
| U122                                                                  | Formaldehyde                                                 |                 |                |                     |      |
| D035                                                                  | Methyl ethyl ketone                                          |                 |                |                     |      |
| D003                                                                  | Solid waste that exhibits the characteristic of reactivity   | 125             | POUNDS         | GENERATED           | 2005 |
| D002                                                                  | Solid waste that exhibits the characteristic of corrosivity  | 80              | POUNDS         | GENERATED           | 2004 |
| D007                                                                  | Chromium                                                     | 1               | POUNDS         | GENERATED           | 2004 |
| D009                                                                  | Mercury                                                      | 50              | POUNDS         | GENERATED           | 2004 |
| D005                                                                  | Barium                                                       | 16              | POUNDS         | GENERATED           | 2003 |
| D039                                                                  | Tetrachloroethylene                                          | 2               | POUNDS         | GENERATED           | 2003 |
| U140                                                                  | ' 1-Propanol, 2-methyl- (I,T)'                               | 59              | POUNDS         | GENERATED           | 2003 |
| D040                                                                  | Trichlorethylene                                             | 63              | POUNDS         | GENERATED           | 2002 |
| U154                                                                  | Methanol (I)                                                 | 31              | POUNDS         | GENERATED           | 2002 |
| U159                                                                  | Methyl ethyl ketone (MEK) (I,T)                              | 15              | POUNDS         | GENERATED           | 2002 |
| U226                                                                  | Ethane, 1,1,1-trichloro-                                     | 3               | POUNDS         | GENERATED           | 2002 |
| U228                                                                  | Ethene, trichloro-                                           | 58              | POUNDS         | GENERATED           | 2002 |
| U069                                                                  | Dibutyl phthalate                                            | 2               | POUNDS         | GENERATED           | 2000 |
| U210                                                                  | Ethene, tetrachloro-                                         | 7               | POUNDS         | GENERATED           | 2000 |
| D039                                                                  | Tetrachloroethylene                                          | 84              | GALLONS        | GENERATED           | 1999 |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability | 238             | GALLONS        | GENERATED           | 1998 |

## NYS DEC Manifested Waste Transactions for NYD986902971E continued ---

| WASTE<br>CODE | WASTE<br>DESCRIPTION  | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|-----------------------|-----------------|----------------|---------------------|------|
| D004          | Arsenic               | 470             | POUNDS         | GENERATED           | 1998 |
| U077          | Ethane, 1,2-dichloro- | 15              | POUNDS         | GENERATED           | 1998 |
| U080          | Methane, dichloro-    | 159             | POUNDS         | GENERATED           | 1998 |
| U122          | Formaldehyde          | 7               | POUNDS         | GENERATED           | 1998 |
| U239          | Xylene (I)            | 51              | POUNDS         | GENERATED           | 1995 |
| U151          | Mercury               | 35              | POUNDS         | GENERATED           | 1994 |
| D010          | Selenium              | 150             | POUNDS         | GENERATED           | 1993 |

NOTE: 2008 waste amounts are for 1/1/08 to 6/25/08 only

## Toxicity Information Summary

| CHEMICAL NAME                  | CAS-NO   | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|--------------------------------|----------|--------------|--------------|--------------|--------------|--------------|-----------|
| Methyl ethyl ketone            | 78933    | X            |              | X            | X            | X            | 50 ug/L   |
| Lead                           | 7439921  | X            | X            | X            | X            |              | 0.05mg/L* |
| BENZENE                        | 71432    | X            | X            | X            | X            | X            | 5 ug/L    |
| Sodium azide                   | 26628228 | X            | X            | X            |              |              |           |
| Acetone (I)                    | 67641    | X            | X            | X            | X            | X            | 50 ug/L   |
| 2,4-D, salts & esters          | 94757    | X            | X            | X            | X            | X            | 0.05 mg/L |
| Chromium                       | 7440473  | X            | X            |              |              |              | 50ug/L*   |
| Mercury                        | 7439976  | X            | X            | X            | X            |              | .002mg/L* |
| Barium                         | 7440393  |              |              |              |              |              | 1mg/L*    |
| Tetrachloroethylene            | 127184   | X            | X            | X            | X            | X            | 5 ug/L    |
| ' 1-Propanol, 2-methyl- (I,T)' | 78831    | X            | X            | X            |              | X            | 50 ug/L   |
| Trichlorethylene               | 79016    | X            | X            | X            | X            | X            | 5 ug/L    |
| Methanol (I)                   | 67561    | X            | X            | X            | X            | X            | 50 ug/L   |
| Ethane, 1,1,1-trichloro-       | 71556    | X            | X            | X            | X            | X            | 5 ug/L    |
| Dibutyl phthalate              | 84742    | X            | X            | X            | X            |              | 50 ug/L   |
| Arsenic                        | 7440382  | X            | X            | X            | X            |              | 0.05mg/L* |
| Ethane, 1,2-dichloro-          | 107062   | X            | X            | X            | X            | X            | 5 ug/L    |
| Methane, dichloro-             | 75092    | X            | X            | X            | X            | X            | 5 ug/L    |
| Formaldehyde                   | 50000    | X            | X            | X            | X            | X            | 50 ug/L   |
| Xylene (I)                     | 1330207  | X            | X            |              | X            | X            | 5 ug/L    |
| Selenium                       | 7782492  | X            | X            |              | X            |              | 0.01mg/L* |

**Map Identification Number 249**      **NYSDEC Name:** **CONSOLIDATED EDISON**      **Facility Id:** **NYP004103214**  
**NYSDEC Address:** MH49096-F/O 545 WASHINGTON ST      MANHATTAN, NY      TT-Id: 740A-0027-017

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 312 feet to the WSW

## ADDRESS CHANGE INFORMATION

Revised street: IFO 545 WASHINGTON ST

Revised zip code: 10014

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                                          | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|-------------------------------------------------------------------------------|-----------------|----------------|---------------------|------|
| B007          | Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc. | 472             | KILOGRAMS      | GENERATED           | 2002 |

## Toxicity Information Summary

| CHEMICAL NAME                                                | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL    |
|--------------------------------------------------------------|---------|--------------|--------------|--------------|--------------|--------------|--------|
| Other PCB Wastes including contaminated soil, solids, sludge | 1336363 | X            | X            |              | X            |              | 5 ug/L |

**Map Identification Number 250**      **NYSDEC Name:** **GREENSPAN & KUSHLIN ENG**      **Facility Id:** **NYD060200821**  
**NYSDEC Address:** 333 HUDSON ST      NEW YORK, NY 10013      TT-Id: 740A-0027-001

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 334 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| NONE          | No hazardous waste activity reported by NYS up to 6/25/2008. |                 |                |                     |      |

**Map Identification Number 251**      **NYSDEC Name:**      **GERSON OFFSET LITHOGRAPHY**      **Facility Id: NYD986957165**  
NYSDEC Address:      333 HUDSON STREET      NEW YORK, NY 10013      TT-Id: 740A-0027-003  
EPA (RCRA) Name:      GERSON OFFSET LITHOGRAPHY INC  
EPA (RCRA) Address:      333 HUDSON ST 2ND FLR      NEW YORK, NY 10013

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 334 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:      Receives offsite waste:

Storer:      Treatment facility:

Notification date: 05/23/1991

Part A notification date: 05/23/1991

Incinerator:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
SMALL QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION           | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|--------------------------------|-----------------|----------------|---------------------|------|
| F003          | Spent non-halogenated solvents | 403             | POUNDS         | GENERATED           | 1994 |

**Map Identification Number 252**      **NYSDEC Name:**      **LYNN ART**      **Facility Id: NYD987036175**  
NYSDEC Address:      333 HUDSON ST - 8TH FLOOR      NEW YORK, NY 10013      TT-Id: 740A-0027-004  
EPA (RCRA) Name:      LYNN ART  
EPA (RCRA) Address:      333 HUDSON ST - 8TH FLOOR      NEW YORK, NY 100131006

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 334 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: 333 HUDSON ST

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:      Receives offsite waste:

Storer:      Treatment facility:

Notification date: 05/25/1993

Part A notification date: 05/25/1993

Incinerator:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
SMALL QUANTITY GENERATOR



## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
|---------------|----------------------|-----------------|----------------|---------------------|------|

NONE Site reported by US EPA. No hazardous waste activity reported by NYS.

**Map Identification Number 253****NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

**GREENSPAN & KUSHLIN ENGRAVING CORP**

333 HUDSON ST

GREENSPAN &amp; KUSHLIN ENGRAVING CORP

333 FAIRCHILD AVE

NEW YORK, NY 10013

NEW YORK, NY 10013

**Facility Id: NYD061200812**

TT-Id: 740A-0027-002

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 334 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Special Note: The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Storer:

Receives offsite waste:

Treatment facility:

Notification date: 04/28/1983

Incinerator:

Transporter:

Part A notification date: 04/28/1983

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

SMALL QUANTITY GENERATOR

## US EPA RCRA Violations:

Violation Type: Generators - General

Violation Number: 0003 Location: NY

Former Citation:

Responsible Agency:

STATE

Violation Determination Date:

01/09/1991

Violation Return to Compliance:

06/14/1991

Violation Type: Generators - Records/Reporting

Violation Number: 0004 Location: NY

Former Citation:

Responsible Agency:

STATE

Violation Determination Date:

04/01/1994

Violation Return to Compliance:

08/22/1994

Violation Type: Generators - Records/Reporting

Violation Number: 0005 Location: NY

Former Citation:

Responsible Agency:

STATE

Violation Determination Date:

08/26/1997

Violation Return to Compliance:

10/31/1997

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| D002          | Solid waste that exhibits the characteristic of corrosivity  | 825             | GALLONS        | GENERATED           | 2000 |
| D007          | Chromium                                                     | 1650            | GALLONS        | GENERATED           | 2000 |
| F006          | Wastewater treatment sludges from electroplating operations  | 825             | GALLONS        | GENERATED           | 2000 |
| D002          | Solid waste that exhibits the characteristic of corrosivity  | 6400            | POUNDS         | GENERATED           | 1998 |
| D001          | Solid waste that exhibits the characteristic of ignitability | 5               | GALLONS        | GENERATED           | 1994 |
| F003          | Spent non-halogenated solvents                               | 45              | GALLONS        | GENERATED           | 1994 |

## Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL     |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|---------|
| Chromium      | 7440473 | X            | X            |              |              |              | 50ug/L* |

## Map Identification Number 254

NYSDEC Name:  
NYSDEC Address:NYCDEP  
CHARLTON AND HUDSON STREETS

NEW YORK, NY

Facility Id: NYP003663853  
TT-Id: 740A-0064-320

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 365 feet to the ESE

## ADDRESS CHANGE INFORMATION

Revised street: CHARLTON ST / HUDSON ST

Revised zip code: 10014

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| D001          | Solid waste that exhibits the characteristic of ignitability | 200             | POUNDS         | GENERATED           | 2008 |

NOTE: 2008 waste amounts are for 1/1/08 to 6/25/08 only

**Map Identification Number 255****NYSDEC Name:****ENZO BIO CHEM INCORPORATED**

NYSDEC Address:

325 HUDSON ST

NEW YORK, NY 10013

**Facility Id: NYD081664328**

EPA (RCRA) Name:

HUDSON TELECOM CENTER LLC

TT-Id: 740A-0027-031

EPA (RCRA) Address:

325 HUDSON ST

NEW YORK, NY 10013

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 387 feet to the SSE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: 12/14/1999

Part A notification date: 12/14/1999

Land Disposal: Receives offsite waste:

Incinerator:

Storer: Treatment facility:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
SMALL QUANTITY GENERATOR**NYS DEC Manifested Waste Summary:**

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| D001          | Solid waste that exhibits the characteristic of ignitability | 5               | GALLONS        | GENERATED           | 2000 |
| D002          | Solid waste that exhibits the characteristic of corrosivity  | 42              | GALLONS        | GENERATED           | 2000 |
| F001          | Spent halogenated solvents used in degreasing                | 15              | GALLONS        | GENERATED           | 2000 |
| D001          | Solid waste that exhibits the characteristic of ignitability | 35              | POUNDS         | GENERATED           | 1991 |
| D002          | Solid waste that exhibits the characteristic of corrosivity  | 40              | POUNDS         | GENERATED           | 1991 |
| D009          | Mercury                                                      | 40              | POUNDS         | GENERATED           | 1991 |
| F003          | Spent non-halogenated solvents                               | 470             | POUNDS         | GENERATED           | 1991 |
| R001          | Unknown waste type.                                          | 85              | POUNDS         | GENERATED           | 1991 |
| U188          | Phenol                                                       | 40              | POUNDS         | GENERATED           | 1991 |
| D003          | Solid waste that exhibits the characteristic of reactivity   | 5               | POUNDS         | GENERATED           | 1987 |
| U044          | Chloroform                                                   | 80              | POUNDS         | GENERATED           | 1987 |

**Toxicity Information Summary**

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Mercury       | 7439976 | X            | X            | X            | X            |              | .002mg/L* |
| Phenol        | 108952  | X            | X            | X            | X            | X            | 50 ug/L   |
| Chloroform    | 67663   | X            | X            | X            | X            | X            | 0.10 mg/L |

**Map Identification Number 256**      **NYSDEC Name:**      **CONSOLIDATED EDISON**      **Facility Id: NYP004069092**  
NYSDEC Address:      MH6319-VANDAM ST & GREENWICH      NEW YORK, NY 10013      TT-Id: 740A-0025-570

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 427 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: VANDAM ST / GREENWICH ST

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
| D008          | Lead                 | 300             | POUNDS         | GENERATED           | 2000 |

## Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Lead          | 7439921 | X            | X            | X            | X            |              | 0.05mg/L* |

**Map Identification Number 257**      **NYSDEC Name:**      **CONSOLIDATED EDISON**      **Facility Id: NYP004069098**  
NYSDEC Address:      MH6319-VANDAM ST & GREENWICH      NEW YORK, NY 10013      TT-Id: 740A-0025-571

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 427 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: VANDAM ST / GREENWICH ST

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
| D008          | Lead                 | 3               | CUBIC YDS      | GENERATED           | 2000 |

## Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Lead          | 7439921 | X            | X            | X            | X            |              | 0.05mg/L* |

**Map Identification Number 258**      **NYSDEC Name:**      **CON EDISION - MH36314**      **Facility Id: NYP004075438**  
 NYSDEC Address:      VANDAM ST. AND GREENWICH ST. V      NEW YORK, NY 10003      TT-Id: 740A-0025-688  
 EPA (RCRA) Name:      CON EDISION - MH36314  
 EPA (RCRA) Address:      VANDAM ST. AND GREENWICH ST. V      NEW YORK, NY 10003

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 427 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: VANDAM ST / GREENWICH ST

Revised zip code: 10013

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:      Receives offsite waste:

Storer:      Treatment facility:

Notification date: 0

Incinerator:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
|---------------|----------------------|-----------------|----------------|---------------------|------|

NONE No hazardous waste activity reported by NYS up to 6/25/2008.

**Map Identification Number 259**      **NYSDEC Name:**      **CONSOLIDATED EDISON**      **Facility Id: NYP004085833**  
 NYSDEC Address:      MH36314-GREENWICH & VANDAM ST      MANHATTAN, NY      TT-Id: 740A-0025-862  
 EPA (RCRA) Name:      CON EDISION - MH36314  
 EPA (RCRA) Address:      GREENWICH AND VANDAM ST. GREEN      NEW YORK, NY 10003

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 427 feet to the SSW

## ADDRESS CHANGE INFORMATION

Revised street: GREENWICH ST / VANDAM ST

Revised zip code: 10013

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN  
 Land Disposal: Receives offsite waste:  
 Storer: Treatment facility:

Notification date: 0  
 Incinerator:  
 Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
 LARGE QUANTITY GENERATOR

#### NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
| D008          | Lead                 | 2               | CUBIC YDS      | GENERATED           | 2001 |

#### Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL        |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|------------|
| Lead          | 7439921 | X            | X            | X            | X            |              | 0.05mg/L * |

#### Map Identification Number 260

**NYSDEC Name:**  
 NYSDEC Address:

**CONSOLIDATED EDISON**  
 V1811-284 W HOUSTIN ST

NEW YORK, NY

**Facility Id: NYP004029229**  
 TT-Id: 740A-0026-993

#### MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)  
 Approximate distance from property: 431 feet to the NNE

#### ADDRESS CHANGE INFORMATION

Revised street: 284 W HOUSTON ST  
 Revised zip code: 10014

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

#### NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                             | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|------------------------------------------------------------------|-----------------|----------------|---------------------|------|
| B002          | Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm | 1200            | KILOGRAMS      | GENERATED           | 1998 |

## Toxicity Information Summary

| CHEMICAL NAME                                                | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL    |
|--------------------------------------------------------------|---------|--------------|--------------|--------------|--------------|--------------|--------|
| Petroleum oil or other liquid containing 50 ppm < PCBs < 500 | 1336363 | X            | X            |              | X            |              | 5 ug/L |

## Map Identification Number 261

## NYSDEC Name:

## CONSOLIDATED EDISON

## Facility Id: NYP004030714

NYSDEC Address:

V1289-W HOUSTON

NEW YORK, NY

TT-Id: 740A-0026-996

EPA (RCRA) Name:

V1289

EPA (RCRA) Address:

284 W HOUSTON STREET

NEW YORK CITY, NY 10014

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 431 feet to the NNE

## ADDRESS CHANGE INFORMATION

Revised street: 284 W HOUSTON STREET

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: 0

Land Disposal:

Receives offsite waste:

Incinerator:

Storer:

Treatment facility:

Transporter:

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                             | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|------------------------------------------------------------------|-----------------|----------------|---------------------|------|
| B002          | Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm | 1311            | KILOGRAMS      | GENERATED           | 1999 |

## Toxicity Information Summary

| CHEMICAL NAME                                                | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL    |
|--------------------------------------------------------------|---------|--------------|--------------|--------------|--------------|--------------|--------|
| Petroleum oil or other liquid containing 50 ppm < PCBs < 500 | 1336363 | X            | X            |              | X            |              | 5 ug/L |

**Map Identification Number 262****NYSDEC Name:****MERRILL LYNCH**

NYSDEC Address:

570 WASHINGTON ST

NEW YORK, NY 10080

**Facility Id: NY0000441147**

EPA (RCRA) Name:

MERRILL LYNCH &amp; CO

TT-Id: 740A-0026-133

EPA (RCRA) Address:

570 WASHINGTON ST

NEW YORK, NY 10014

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 469 feet to the WNW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: 10014

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: 11/21/1997

Part A notification date: 11/21/1997

Land Disposal: Receives offsite waste:

Incinerator:

Storer: Treatment facility:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
SMALL QUANTITY GENERATOR**NYS DEC Manifested Waste Summary:**

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| D002          | Solid waste that exhibits the characteristic of corrosivity  | 210             | GALLONS        | GENERATED           | 1997 |
| D002          | Solid waste that exhibits the characteristic of corrosivity  | 90              | POUNDS         | GENERATED           | 1997 |
| F001          | Spent halogenated solvents used in degreasing                | 260             | GALLONS        | GENERATED           | 1997 |
| D001          | Solid waste that exhibits the characteristic of ignitability | 140             | GALLONS        | GENERATED           | 1996 |
| D007          | Chromium                                                     | 385             | GALLONS        | GENERATED           | 1996 |
| D008          | Lead                                                         | 165             | GALLONS        | GENERATED           | 1996 |
| D008          | Lead                                                         | 3300            | POUNDS         | GENERATED           | 1994 |

**Toxicity Information Summary**

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Chromium      | 7440473 | X            | X            |              |              |              | 50ug/L*   |
| Lead          | 7439921 | X            | X            | X            | X            |              | 0.05mg/L* |



|                                      |                     |                              |                    |                                  |
|--------------------------------------|---------------------|------------------------------|--------------------|----------------------------------|
| <b>Map Identification Number 263</b> | <b>NYSDEC Name:</b> | <b>UNITED PARCEL SERVICE</b> |                    | <b>Facility Id: NYD986902971</b> |
|                                      | NYSDEC Address:     | 320 W HOUSTON ST             | NEW YORK, NY 10014 | TT-Id: 740A-0031-839             |
|                                      | EPA (RCRA) Name:    | UNITED PARCEL SERVICE        |                    |                                  |
|                                      | EPA (RCRA) Address: | 325 W HOUSTON ST             | NEW YORK, NY 10013 |                                  |

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 474 feet to the NNW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Special Note: The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

Notification date: 05/30/1990

Part A notification date: 05/30/1990

Land Disposal:

Receives offsite waste:

Incinerator:

Storer:

Treatment facility:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

SMALL QUANTITY GENERATOR

## US EPA RCRA Violations:

Violation Type: Generators - Manifest

Violation Number: 0001 Location: NY

Former Citation:

Responsible Agency: STATE

Violation Determination Date: 07/30/1996

Violation Return to Compliance: 12/09/1996

Violation Type: Generators - General

Violation Number: 0002 Location: NY

Former Citation:

Responsible Agency: STATE

Violation Determination Date: 07/30/1996

Violation Return to Compliance: 12/09/1996

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE                                                            | WASTE DESCRIPTION                                            | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|-----------------------------------------------------------------------|--------------------------------------------------------------|--------------|-------------|------------------|------|
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability | 208          | POUNDS      | GENERATED        | 2008 |
| D035                                                                  | Methyl ethyl ketone                                          | 80           | POUNDS      | GENERATED        | 2008 |
| More than one waste code was reported for the following waste amount: |                                                              | 485          | POUNDS      | GENERATED        | 2008 |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability |              |             |                  |      |
| D008                                                                  | Lead                                                         |              |             |                  |      |

## NYS DEC Manifested Waste Transactions for NYD986902971S continued ---

| WASTE<br>CODE                                                         | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|-----------------------------------------------------------------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| More than one waste code was reported for the following waste amount: |                                                              | 262             | POUNDS         | GENERATED           | 2008 |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability |                 |                |                     |      |
| D035                                                                  | Methyl ethyl ketone                                          |                 |                |                     |      |
| D008                                                                  | Lead                                                         | 65              | POUNDS         | GENERATED           | 2007 |
| More than one waste code was reported for the following waste amount: |                                                              | 84              | POUNDS         | GENERATED           | 2007 |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability |                 |                |                     |      |
| D002                                                                  | Solid waste that exhibits the characteristic of corrosivity  |                 |                |                     |      |
| More than one waste code was reported for the following waste amount: |                                                              | 95              | POUNDS         | GENERATED           | 2007 |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability |                 |                |                     |      |
| D010                                                                  | Selenium                                                     |                 |                |                     |      |
| More than one waste code was reported for the following waste amount: |                                                              | 163             | POUNDS         | GENERATED           | 2007 |
| D005                                                                  | Barium                                                       |                 |                |                     |      |
| D035                                                                  | Methyl ethyl ketone                                          |                 |                |                     |      |
| More than one waste code was reported for the following waste amount: |                                                              | 124             | POUNDS         | GENERATED           | 2007 |
| D008                                                                  | Lead                                                         |                 |                |                     |      |
| D035                                                                  | Methyl ethyl ketone                                          |                 |                |                     |      |
| D039                                                                  | Tetrachloroethylene                                          |                 |                |                     |      |
| D018                                                                  | BENZENE                                                      | 390             | POUNDS         | GENERATED           | 2006 |
| P105                                                                  | Sodium azide                                                 | 101             | POUNDS         | GENERATED           | 2006 |
| U002                                                                  | Acetone (l)                                                  | 102             | POUNDS         | GENERATED           | 2006 |
| U240                                                                  | 2,4-D, salts & esters                                        | 195             | POUNDS         | GENERATED           | 2006 |
| More than one waste code was reported for the following waste amount: |                                                              | 20              | POUNDS         | GENERATED           | 2006 |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability |                 |                |                     |      |
| D007                                                                  | Chromium                                                     |                 |                |                     |      |
| More than one waste code was reported for the following waste amount: |                                                              | 136             | POUNDS         | GENERATED           | 2006 |
| U002                                                                  | Acetone (l)                                                  |                 |                |                     |      |
| U122                                                                  | Formaldehyde                                                 |                 |                |                     |      |
| D035                                                                  | Methyl ethyl ketone                                          |                 |                |                     |      |
| D003                                                                  | Solid waste that exhibits the characteristic of reactivity   | 125             | POUNDS         | GENERATED           | 2005 |
| D002                                                                  | Solid waste that exhibits the characteristic of corrosivity  | 80              | POUNDS         | GENERATED           | 2004 |
| D007                                                                  | Chromium                                                     | 1               | POUNDS         | GENERATED           | 2004 |

## NYS DEC Manifested Waste Transactions for NYD986902971S continued ---

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| D009          | Mercury                                                      | 50              | POUNDS         | GENERATED           | 2004 |
| D005          | Barium                                                       | 16              | POUNDS         | GENERATED           | 2003 |
| D039          | Tetrachloroethylene                                          | 2               | POUNDS         | GENERATED           | 2003 |
| U140          | ' 1-Propanol, 2-methyl- (I,T)'                               | 59              | POUNDS         | GENERATED           | 2003 |
| D040          | Trichlorethylene                                             | 63              | POUNDS         | GENERATED           | 2002 |
| U154          | Methanol (I)                                                 | 31              | POUNDS         | GENERATED           | 2002 |
| U159          | Methyl ethyl ketone (MEK) (I,T)                              | 15              | POUNDS         | GENERATED           | 2002 |
| U226          | Ethane, 1,1,1-trichloro-                                     | 3               | POUNDS         | GENERATED           | 2002 |
| U228          | Ethene, trichloro-                                           | 58              | POUNDS         | GENERATED           | 2002 |
| U069          | Dibutyl phthalate                                            | 2               | POUNDS         | GENERATED           | 2000 |
| U210          | Ethene, tetrachloro-                                         | 7               | POUNDS         | GENERATED           | 2000 |
| D039          | Tetrachloroethylene                                          | 84              | GALLONS        | GENERATED           | 1999 |
| D001          | Solid waste that exhibits the characteristic of ignitability | 238             | GALLONS        | GENERATED           | 1998 |
| D004          | Arsenic                                                      | 470             | POUNDS         | GENERATED           | 1998 |
| U077          | Ethane, 1,2-dichloro-                                        | 15              | POUNDS         | GENERATED           | 1998 |
| U080          | Methane, dichloro-                                           | 159             | POUNDS         | GENERATED           | 1998 |
| U122          | Formaldehyde                                                 | 7               | POUNDS         | GENERATED           | 1998 |
| U239          | Xylene (I)                                                   | 51              | POUNDS         | GENERATED           | 1995 |
| U151          | Mercury                                                      | 35              | POUNDS         | GENERATED           | 1994 |
| D010          | Selenium                                                     | 150             | POUNDS         | GENERATED           | 1993 |

NOTE: 2008 waste amounts are for 1/1/08 to 6/25/08 only

## Toxicity Information Summary

| CHEMICAL NAME                  | CAS-NO   | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|--------------------------------|----------|--------------|--------------|--------------|--------------|--------------|-----------|
| Methyl ethyl ketone            | 78933    | X            |              | X            | X            | X            | 50 ug/L   |
| Lead                           | 7439921  | X            | X            | X            | X            |              | 0.05mg/L* |
| BENZENE                        | 71432    | X            | X            | X            | X            | X            | 5 ug/L    |
| Sodium azide                   | 26628228 | X            | X            | X            |              |              |           |
| Acetone (I)                    | 67641    | X            | X            | X            | X            | X            | 50 ug/L   |
| 2,4-D, salts & esters          | 94757    | X            | X            | X            | X            | X            | 0.05 mg/L |
| Chromium                       | 7440473  | X            | X            |              |              |              | 50ug/L*   |
| Mercury                        | 7439976  | X            | X            | X            | X            |              | .002mg/L* |
| Barium                         | 7440393  |              |              |              |              |              | 1mg/L*    |
| Tetrachloroethylene            | 127184   | X            | X            | X            | X            | X            | 5 ug/L    |
| ' 1-Propanol, 2-methyl- (I,T)' | 78831    | X            | X            | X            |              | X            | 50 ug/L   |
| Trichlorethylene               | 79016    | X            | X            | X            | X            | X            | 5 ug/L    |
| Methanol (I)                   | 67561    | X            | X            | X            | X            | X            | 50 ug/L   |
| Ethane, 1,1,1-trichloro-       | 71556    | X            | X            | X            | X            | X            | 5 ug/L    |
| Dibutyl phthalate              | 84742    | X            | X            | X            | X            |              | 50 ug/L   |

## Toxicity Information Summary - continues

| CHEMICAL NAME         | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|-----------------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Arsenic               | 7440382 | X            | X            | X            | X            |              | 0.05mg/L* |
| Ethane, 1,2-dichloro- | 107062  | X            | X            | X            | X            | X            | 5 ug/L    |
| Methane, dichloro-    | 75092   | X            | X            | X            | X            | X            | 5 ug/L    |
| Formaldehyde          | 50000   | X            | X            | X            | X            | X            | 50 ug/L   |
| Xylene (l)            | 1330207 | X            | X            |              | X            | X            | 5 ug/L    |
| Selenium              | 7782492 | X            | X            |              | X            |              | 0.01mg/L* |

## Map Identification Number 264

## NYSDEC Name:

## CONSOLIDATED EDISON

## Facility Id: NYP004082988

NYSDEC Address:

MH36933 W HOUSTON &amp; WASHINGTON

NEW YORK, NY 10001

TT-Id: 740A-0025-811

EPA (RCRA) Name:

CON EDISION - MH 36933

EPA (RCRA) Address:

WASHINGTON AT HOUSTON WASHINGT

NEW YORK, NY 10003

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 484 feet to the NNW

## ADDRESS CHANGE INFORMATION

Revised street: W HOUSTON ST / WASHINGTON ST

Revised zip code: 10014

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: 0

Land Disposal:

Receives offsite waste:

Incinerator:

Storer:

Treatment facility:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
| D008          | Lead                 | 2               | CUBIC YDS      | GENERATED           | 2001 |

## Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Lead          | 7439921 | X            | X            | X            | X            |              | 0.05mg/L* |

|                                      |                                                                                   |                                                                                         |                                              |                                                          |
|--------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|
| <b>Map Identification Number 265</b> | <b>NYSDEC Name:</b><br>NYSDEC Address:<br>EPA (RCRA) Name:<br>EPA (RCRA) Address: | <b>LUCENT TECHNOLOGIES</b><br>395 HUDSON ST<br>LUCENT TECHNOLOGIES INC<br>395 HUDSON ST | NEW YORK, NY 10014<br><br>NEW YORK, NY 10014 | <b>Facility Id: NYD068209410</b><br>TT-Id: 740A-0024-480 |
|--------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 498 feet to the NNE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN  
Land Disposal: Receives offsite waste:  
Storer: Treatment facility:

Notification date: 12/11/1997  
Incinerator:  
Transporter:

Part A notification date: 12/11/1997

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
|---------------|----------------------|-----------------|----------------|---------------------|------|

NONE No hazardous waste activity reported by NYS up to 6/25/2008.

|                                      |                                                                                   |                                                                                                  |                                              |                                                          |
|--------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|
| <b>Map Identification Number 266</b> | <b>NYSDEC Name:</b><br>NYSDEC Address:<br>EPA (RCRA) Name:<br>EPA (RCRA) Address: | <b>NEW YORK TELEPHONE COMPANY</b><br>395 HUDSON STREET<br>NEW YORK TELEPHONE CO<br>395 HUDSON ST | NEW YORK, NY 10014<br><br>NEW YORK, NY 10014 | <b>Facility Id: NYD980761217</b><br>TT-Id: 740A-0024-483 |
|--------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 498 feet to the NNE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN  
Land Disposal: Receives offsite waste:  
Storer: Treatment facility:

Notification date: 09/15/1983  
Incinerator:  
Transporter:

Part A notification date: 09/15/1983

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
LARGE QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
|---------------|----------------------|-----------------|----------------|---------------------|------|

NONE No hazardous waste activity reported by NYS up to 6/25/2008.

## Map Identification Number 267

## NYSDEC Name:

## CONSOLIDATED EDISON

## Facility Id: NYP004087631

NYSDEC Address:

MH36457-W HOUSTON ST &amp; HUDSON

NEW YORK, NY

TT-Id: 740A-0025-881

EPA (RCRA) Name:

CON EDISION - MH36959

EPA (RCRA) Address:

SEC HUDSON &amp; W. HOUSTON SEC HU

NEW YORK, NY 10003

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 505 feet to the NE

## ADDRESS CHANGE INFORMATION

Revised street: W HOUSTON ST / HUDSON ST

Revised zip code: 10014

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: 0

Land Disposal:

Receives offsite waste:

Incinerator:

Storer:

Treatment facility:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
| D008          | Lead                 | 3               | CUBIC YDS      | GENERATED           | 2001 |

## Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Lead          | 7439921 | X            | X            | X            | X            |              | 0.05mg/L* |

**Map Identification Number 268**      **NYSDEC Name:**      **CONSOLIDATED EDISON**      **Facility Id: NYP004135836**  
NYSDEC Address:      HOUSTON & HUDSON MH36950      NEW YORK, NY 10004      TT-Id: 740A-0029-133

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 505 feet to the NE

## ADDRESS CHANGE INFORMATION

Revised street: HUDSON ST / W HOUSTON ST

Revised zip code: 10014

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                                          | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|-------------------------------------------------------------------------------|-----------------|----------------|---------------------|------|
| B003          | Petroleum oil or other liquid containing 500 ppm or greater of PCBs.          | 155             | KILOGRAMS      | GENERATED           | 2005 |
| B007          | Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc. | 547             | KILOGRAMS      | GENERATED           | 2005 |

## Toxicity Information Summary

| CHEMICAL NAME                                               | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL    |
|-------------------------------------------------------------|---------|--------------|--------------|--------------|--------------|--------------|--------|
| Petroleum oil or other liquid containing 500 ppm or greater | 1336363 | X            | X            |              | X            |              | 5 ug/L |

**Map Identification Number 269**      **NYSDEC Name:**      **CONSOLIDATED EDISON**      **Facility Id: NYP004139184**  
NYSDEC Address:      MH36950 HOUSTON ST & HUDSON      NEW YORK, NY 89080      TT-Id: 740A-0029-237  
EPA (RCRA) Name:      CON EDISON  
EPA (RCRA) Address:      HOUSTON ST & HUDSON ST      NEW YORK, NY 10002

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 505 feet to the NE

## ADDRESS CHANGE INFORMATION

Revised street: W HOUSTON ST / HUDSON ST

Revised zip code: 10014

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Storer:

Receives offsite waste:

Treatment facility:

Notification date: 0

Incinerator:

Transporter:

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                                          | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|-------------------------------------------------------------------------------|-----------------|----------------|---------------------|------|
| B007          | Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc. | 251             | KILOGRAMS      | GENERATED           | 2006 |

## Toxicity Information Summary

| CHEMICAL NAME                                                | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL    |
|--------------------------------------------------------------|---------|--------------|--------------|--------------|--------------|--------------|--------|
| Other PCB Wastes including contaminated soil, solids, sludge | 1336363 | X            | X            |              | X            |              | 5 ug/L |

## Map Identification Number 270

NYSDEC Name:  
NYSDEC Address:CONSOLIDATED EDISON  
V8370-VAN DAM & HUDSON

NEW YORK, NY

Facility Id: NYP004048948  
TT-Id: 740A-0025-377

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 534 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: VANDAM ST / HUDSON ST

Revised zip code: 10013

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                             | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|------------------------------------------------------------------|-----------------|----------------|---------------------|------|
| B002          | Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm | 1155            | KILOGRAMS      | GENERATED           | 2000 |

## Toxicity Information Summary

| CHEMICAL NAME                                                | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL    |
|--------------------------------------------------------------|---------|--------------|--------------|--------------|--------------|--------------|--------|
| Petroleum oil or other liquid containing 50 ppm < PCBs < 500 | 1336363 | X            | X            |              | X            |              | 5 ug/L |



|                                      |                     |                                |                                  |
|--------------------------------------|---------------------|--------------------------------|----------------------------------|
| <b>Map Identification Number 271</b> | <b>NYSDEC Name:</b> | <b>CONSOLIDATED EDISON</b>     | <b>Facility Id: NYP004072823</b> |
|                                      | NYSDEC Address:     | MH37320-HUDSON AVE & VANDAM ST | MANHATTAN, NY 10020              |
|                                      | EPA (RCRA) Name:    | CON EDISION - MH37320          |                                  |
|                                      | EPA (RCRA) Address: | VANDAM ST. AND HUDSON ST. VAND | NEW YORK, NY 10003               |

## MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 534 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: HUDSON ST / VANDAM ST

Revised zip code: 10013

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal: Receives offsite waste:

Storer: Treatment facility:

Notification date: 0

Incinerator:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
LARGE QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
| D008          | Lead                 | 4               | CUBIC YDS      | GENERATED           | 2001 |

## Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Lead          | 7439921 | X            | X            | X            | X            |              | 0.05mg/L* |

|                                      |                     |                                  |                                  |
|--------------------------------------|---------------------|----------------------------------|----------------------------------|
| <b>Map Identification Number 272</b> | <b>NYSDEC Name:</b> | <b>THE RECTOR TRINITY CHURCH</b> | <b>Facility Id: NYR000107573</b> |
|                                      | NYSDEC Address:     | 330 HUDSON ST                    | NEW YORK, NY                     |
|                                      | EPA (RCRA) Name:    | TRINITY REAL ESTATE              |                                  |
|                                      | EPA (RCRA) Address: | 330 HUDSON ST                    | NEW YORK, NY 10006               |

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 548 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10013

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN  
Land Disposal: Receives offsite waste:  
Storer: Treatment facility:

Notification date: 07/01/2002  
Incinerator:  
Transporter:

Part A notification date: 07/01/2002

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:  
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
| D008          | Lead                 | 2000            | POUNDS         | GENERATED           | 2002 |

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Lead          | 7439921 | X            | X            | X            | X            |              | 0.05mg/L* |

Map Identification Number 273

NYSDEC Name:  
NYSDEC Address:  
EPA (RCRA) Name:  
EPA (RCRA) Address:

NEW YORK TELEPHONE CO  
84 KING ST  
NEW YORK TELEPHONE CO  
84 KING ST

NEW YORK, NY 10014  
NEW YORK, NY 100144807

Facility Id: NYD987030798  
TT-Id: 740A-0031-452

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 575 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN  
Land Disposal: Receives offsite waste:  
Storer: Treatment facility:

Notification date: 03/15/1993  
Incinerator:  
Transporter:

Part A notification date: 03/15/1993

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
SMALL QUANTITY GENERATOR

-----  
NYS DEC Manifested Waste Summary:Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.  
-----

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
|---------------|----------------------|-----------------|----------------|---------------------|------|

NONE Site reported by US EPA. No hazardous waste activity reported by NYS.

|                                      |                     |                                          |                    |                                  |
|--------------------------------------|---------------------|------------------------------------------|--------------------|----------------------------------|
| <b>Map Identification Number 274</b> | <b>NYSDEC Name:</b> | <b>RED BALL INTERIOR DEMOLITION CORP</b> |                    | <b>Facility Id: NYN00002A159</b> |
|                                      | NYSDEC Address:     | 575 WASHINGTON ST                        | NEW YORK, NY 10014 | TT-Id: 740A-0024-903             |

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 608 feet to the NNW

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.  
-----

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.  
-----

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
|---------------|----------------------|-----------------|----------------|---------------------|------|

NONE No hazardous waste activity reported by NYS up to 6/25/2008.

|                                      |                     |                              |                    |                                  |
|--------------------------------------|---------------------|------------------------------|--------------------|----------------------------------|
| <b>Map Identification Number 275</b> | <b>NYSDEC Name:</b> | <b>PRUDENTIAL SECURITIES</b> |                    | <b>Facility Id: NY0000023069</b> |
|                                      | NYSDEC Address:     | 315 HUDSON ST                | NEW YORK, NY 10038 | TT-Id: 740A-0027-032             |
|                                      | EPA (RCRA) Name:    | PRUDENTIAL SECURITIES        |                    |                                  |
|                                      | EPA (RCRA) Address: | 315 HUDSON ST                | NEW YORK, NY 10038 |                                  |

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 618 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10013

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal: Receives offsite waste:

Storer: Treatment facility:

Notification date: 10/12/1993

Incinerator:

Transporter:

Part A notification date: 10/12/1993

Historically listed as the following USEPA RCRA Generator Size(s) as well:

SMALL QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
|---------------|----------------------|-----------------|----------------|---------------------|------|

NONE Site reported by US EPA. No hazardous waste activity reported by NYS.

## Map Identification Number 276

NYSDEC Name:  
NYSDEC Address:CONSOLIDATED EDISON  
MH56576

MANHATTAN, NY 10020

Facility Id: NYP004086155  
TT-Id: 740A-0031-542

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 618 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: 90 VANDAM ST

Revised zip code: 10013

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
|---------------|----------------------|-----------------|----------------|---------------------|------|

|      |      |   |           |           |      |
|------|------|---|-----------|-----------|------|
| D008 | Lead | 2 | CUBIC YDS | GENERATED | 2001 |
|------|------|---|-----------|-----------|------|

## Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Lead          | 7439921 | X            | X            | X            | X            |              | 0.05mg/L* |

## Map Identification Number 277

NYSDEC Name:  
NYSDEC Address:  
EPA (RCRA) Name:  
EPA (RCRA) Address:CONSOLIDATED EDISON  
MH56576-F/O 90 VANDAM ST  
CON EDISON - MH56576  
F/O 90 VANDAM ST F/O 90 VANDAM

MANHATTAN, NY 10020

NEW YORK, NY 10003

Facility Id: NYP004085155  
TT-Id: 740A-0031-543

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 618 feet to the SSE

## ADDRESS CHANGE INFORMATION

Revised street: 90 VANDAM ST

Revised zip code: 10013

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN  
 Land Disposal: Receives offsite waste:  
 Storer: Treatment facility:

Notification date: 0  
 Incinerator:  
 Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
 LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:  
 Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
|---------------|----------------------|-----------------|----------------|---------------------|------|

NONE No hazardous waste activity reported by NYS up to 6/25/2008.

|                                      |                     |                            |                    |                                  |
|--------------------------------------|---------------------|----------------------------|--------------------|----------------------------------|
| <b>Map Identification Number 278</b> | <b>NYSDEC Name:</b> | <b>CONSOLIDATED EDISON</b> |                    | <b>Facility Id: NYP004051991</b> |
|                                      | NYSDEC Address:     | V4429-366 HUDSON ST        | NEW YORK, NY 10001 | TT-Id: 740A-0031-449             |

#### MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 625 feet to the ENE

#### ADDRESS CHANGE INFORMATION

Revised street: 366 HUDSON ST  
 Revised zip code: 10014

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:  
 Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
|---------------|----------------------|-----------------|----------------|---------------------|------|

|      |                                                                  |      |           |           |      |
|------|------------------------------------------------------------------|------|-----------|-----------|------|
| B002 | Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm | 1421 | KILOGRAMS | GENERATED | 2000 |
|------|------------------------------------------------------------------|------|-----------|-----------|------|

#### Toxicity Information Summary

| CHEMICAL NAME                                                | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL    |
|--------------------------------------------------------------|---------|--------------|--------------|--------------|--------------|--------------|--------|
| Petroleum oil or other liquid containing 50 ppm < PCBs < 500 | 1336363 | X            | X            |              | X            |              | 5 ug/L |

|                                      |                     |                            |                        |                                  |
|--------------------------------------|---------------------|----------------------------|------------------------|----------------------------------|
| <b>Map Identification Number 279</b> | <b>NYSDEC Name:</b> | <b>CONSOLIDATED EDISON</b> |                        | <b>Facility Id: NYP004005336</b> |
|                                      | NYSDEC Address:     | V 4355 - 366 HUDSON ST     | QUEENS, NY 11400       | TT-Id: 740A-0031-450             |
|                                      | EPA (RCRA) Name:    | CON ED - V 4355            |                        |                                  |
|                                      | EPA (RCRA) Address: | 366 HUDSON ST              | NEW YORK, NY 100140000 |                                  |

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 625 feet to the ENE

## ADDRESS CHANGE INFORMATION

Revised street: 366 HUDSON ST

Revised zip code: 10014

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal: Receives offsite waste:

Storer: Treatment facility:

Notification date: 0

Incinerator:

Transporter:

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                                 | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------------------------------------------------------|-----------------|----------------|---------------------|------|
| B003          | Petroleum oil or other liquid containing 500 ppm or greater of PCBs. | 1336            | KILOGRAMS      | GENERATED           | 1997 |

## Toxicity Information Summary

| CHEMICAL NAME                                               | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL    |
|-------------------------------------------------------------|---------|--------------|--------------|--------------|--------------|--------------|--------|
| Petroleum oil or other liquid containing 500 ppm or greater | 1336363 | X            | X            |              | X            |              | 5 ug/L |

|                                      |                     |                   |                    |                                  |
|--------------------------------------|---------------------|-------------------|--------------------|----------------------------------|
| <b>Map Identification Number 280</b> | <b>NYSDEC Name:</b> | <b>GSA</b>        |                    | <b>Facility Id: NY8470000128</b> |
|                                      | NYSDEC Address:     | 201 VARICK STREET | NEW YORK, NY 10014 | TT-Id: 740A-0031-451             |
|                                      | EPA (RCRA) Name:    | US DEPT OF ENERGY |                    |                                  |
|                                      | EPA (RCRA) Address: | 201 VARICK ST     | NEW YORK, NY 10014 |                                  |

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 625 feet to the ENE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

Land Disposal: Receives offsite waste:

Storer: Treatment facility:

Notification date: 02/06/1986

Part A notification date: 02/06/1986

Incinerator:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

SMALL QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE                                                         | WASTE<br>DESCRIPTION                                                          | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------|----------------|---------------------|------|
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability                  | 275             | GALLONS        | GENERATED           | 2007 |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability                  | 100             | POUNDS         | GENERATED           | 2007 |
| D002                                                                  | Solid waste that exhibits the characteristic of corrosivity                   | 115             | GALLONS        | GENERATED           | 2007 |
| More than one waste code was reported for the following waste amount: |                                                                               | 4               | CUBIC YDS      | GENERATED           | 2007 |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability                  |                 |                |                     |      |
| D039                                                                  | Tetrachloroethylene                                                           |                 |                |                     |      |
| More than one waste code was reported for the following waste amount: |                                                                               | 55              | GALLONS        | GENERATED           | 2007 |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability                  |                 |                |                     |      |
| U117                                                                  | Ethyl ether (I)                                                               |                 |                |                     |      |
| More than one waste code was reported for the following waste amount: |                                                                               | 5               | GALLONS        | GENERATED           | 2007 |
| D002                                                                  | Solid waste that exhibits the characteristic of corrosivity                   |                 |                |                     |      |
| D009                                                                  | Mercury                                                                       |                 |                |                     |      |
| More than one waste code was reported for the following waste amount: |                                                                               | 55              | GALLONS        | GENERATED           | 2007 |
| D001                                                                  | Solid waste that exhibits the characteristic of ignitability                  |                 |                |                     |      |
| U220                                                                  | Benzene, methyl-                                                              |                 |                |                     |      |
| U239                                                                  | Xylene (I)                                                                    |                 |                |                     |      |
| B007                                                                  | Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc. | 11              | KILOGRAMS      | GENERATED           | 2005 |
| D002                                                                  | Solid waste that exhibits the characteristic of corrosivity                   | 87              | POUNDS         | GENERATED           | 2005 |
| D008                                                                  | Lead                                                                          | 22              | POUNDS         | GENERATED           | 2005 |
| D009                                                                  | Mercury                                                                       | 13              | POUNDS         | GENERATED           | 2005 |
| F003                                                                  | Spent non-halogenated solvents                                                | 387             | POUNDS         | GENERATED           | 2005 |
| U002                                                                  | Acetone (I)                                                                   | 24              | POUNDS         | GENERATED           | 2005 |
| U044                                                                  | Chloroform                                                                    | 29              | POUNDS         | GENERATED           | 2005 |
| U122                                                                  | Formaldehyde                                                                  | 8               | POUNDS         | GENERATED           | 2005 |
| U134                                                                  | Hydrogen fluoride (C,T)                                                       | 27              | POUNDS         | GENERATED           | 2005 |
| U211                                                                  | Carbon tetrachloride                                                          | 6               | POUNDS         | GENERATED           | 2005 |
| D011                                                                  | Silver                                                                        | 5               | POUNDS         | GENERATED           | 2004 |
| D037                                                                  | Pentachlorophenol                                                             | 6               | POUNDS         | GENERATED           | 2004 |
| U070                                                                  | o-Dichlorobenzene                                                             | 215             | POUNDS         | GENERATED           | 2004 |
| D005                                                                  | Barium                                                                        | 4               | POUNDS         | GENERATED           | 2003 |
| P105                                                                  | Sodium azide                                                                  | 1               | POUNDS         | GENERATED           | 2003 |

## NYS DEC Manifested Waste Transactions for NY8470000128 continued ---

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                       | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|------------------------------------------------------------|-----------------|----------------|---------------------|------|
| U188          | Phenol                                                     | 2               | GALLONS        | GENERATED           | 2003 |
| D003          | Solid waste that exhibits the characteristic of reactivity | 1               | POUNDS         | GENERATED           | 2000 |
| D004          | Arsenic                                                    | 14              | POUNDS         | GENERATED           | 2000 |
| D006          | Cadmium                                                    | 5               | POUNDS         | GENERATED           | 2000 |
| P012          | Arsenic oxide As <sub>2</sub> O <sub>3</sub>               | 2               | POUNDS         | GENERATED           | 2000 |
| U003          | Acetonitrile (I,T)                                         | 145             | POUNDS         | GENERATED           | 2000 |
| U080          | Methane, dichloro-                                         | 50              | POUNDS         | GENERATED           | 2000 |
| U133          | Hydrazine (R,T)                                            | 1               | POUNDS         | GENERATED           | 1999 |
| U214          | Acetic acid, thallium(1+) salt                             | 3               | POUNDS         | GENERATED           | 1999 |
| D007          | Chromium                                                   | 50              | POUNDS         | GENERATED           | 1996 |
| U188          | Phenol                                                     | 290             | POUNDS         | GENERATED           | 1996 |
| F002          | Spent halogenated solvents                                 | 1200            | POUNDS         | GENERATED           | 1993 |
| U165          | Naphthalene                                                | 120             | POUNDS         | GENERATED           | 1991 |
| F001          | Spent halogenated solvents used in degreasing              | 50              | POUNDS         | GENERATED           | 1987 |

## Toxicity Information Summary

| CHEMICAL NAME                                                | CAS-NO   | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|--------------------------------------------------------------|----------|--------------|--------------|--------------|--------------|--------------|-----------|
| Other PCB Wastes including contaminated soil, solids, sludge | 1336363  | X            | X            |              | X            |              | 5 ug/L    |
| Lead                                                         | 7439921  | X            | X            | X            | X            |              | 0.05mg/L* |
| Mercury                                                      | 7439976  | X            | X            | X            | X            |              | .002mg/L* |
| Acetone (I)                                                  | 67641    | X            | X            | X            | X            | X            | 50 ug/L   |
| Chloroform                                                   | 67663    | X            | X            | X            | X            | X            | 0.10 mg/L |
| Formaldehyde                                                 | 50000    | X            | X            | X            | X            | X            | 50 ug/L   |
| Hydrogen fluoride (C,T)                                      | 7664393  | X            |              | X            | X            | X            |           |
| Carbon tetrachloride                                         | 56235    | X            | X            | X            | X            | X            | 5 ug/L    |
| Silver                                                       | 7440224  |              | X            |              |              |              | 0.05mg/L* |
| Pentachlorophenol                                            | 87865    | X            | X            | X            | X            | X            | 5 ug/L    |
| o-Dichlorobenzene                                            | 95501    | X            | X            | X            | X            | X            | 5 ug/L    |
| Barium                                                       | 7440393  |              |              |              |              |              | 1mg/L*    |
| Sodium azide                                                 | 26628228 | X            | X            | X            |              |              |           |
| Phenol                                                       | 108952   | X            | X            | X            | X            | X            | 50 ug/L   |
| Arsenic                                                      | 7440382  | X            | X            | X            | X            |              | 0.05mg/L* |
| Cadmium                                                      | 7440439  | X            | X            | X            | X            |              | .010mg/L* |
| Arsenic oxide As <sub>2</sub> O <sub>3</sub>                 | 1327533  | X            | X            | X            | X            |              |           |
| Acetonitrile (I,T)                                           | 75058    | X            | X            | X            | X            | X            | 50 ug/L   |
| Methane, dichloro-                                           | 75092    | X            | X            | X            | X            | X            | 5 ug/L    |
| Hydrazine (R,T)                                              | 302012   | X            | X            | X            | X            |              | 50 ug/L   |
| Acetic acid, thallium(1+) salt                               | 563688   | X            |              | X            | X            |              |           |
| Chromium                                                     | 7440473  | X            | X            |              |              |              | 50ug/L*   |
| Naphthalene                                                  | 91203    | X            | X            |              | X            | X            | 50 ug/L   |



**Map Identification Number 281**      **NYSDEC Name:** **CONSOLIDATED EDISON**      **Facility Id:** **NYP004081659**  
**NYSDEC Address:** **MH51728 330 WEST ST**      **NEW YORK, NY 10003**      **TT-Id:** **740A-0027-028**

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 636 feet to the WSW

**ADDRESS CHANGE INFORMATION**

Revised street: 330 WEST ST

Revised zip code: 10014

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

**NYS DEC Manifested Waste Summary:**

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
| D008          | Lead                 | 1               | CUBIC YDS      | GENERATED           | 2001 |

**Toxicity Information Summary**

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL       |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|-----------|
| Lead          | 7439921 | X            | X            | X            | X            |              | 0.05mg/L* |

**Map Identification Number 282**      **NYSDEC Name:** **NALCO CHEMICAL CO BLOOMBERG FIN MKT**      **Facility Id:** **NYR000110742**  
**NYSDEC Address:** **330 WEST ST**      **NEW YORK, NY**      **TT-Id:** **740A-0027-029**  
**EPA (RCRA) Name:** **ONDEO NALCO CO**  
**EPA (RCRA) Address:** **330 WEST ST**      **NEW YORK, NY 100143632**

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 636 feet to the WSW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: 10014

US EPA RCRA Type: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR**

Notification date: 12/12/2002

Part A notification date: 12/12/2002

Land Disposal:

Receives offsite waste:

Incinerator:

Storer:

Treatment facility:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
**SMALL QUANTITY GENERATOR**

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION                                         | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|--------------------------------------------------------------|-----------------|----------------|---------------------|------|
| D001          | Solid waste that exhibits the characteristic of ignitability | 100             | POUNDS         | GENERATED           | 2005 |
| D005          | Barium                                                       | 400             | POUNDS         | GENERATED           | 2005 |
| F003          | Spent non-halogenated solvents                               | 700             | POUNDS         | GENERATED           | 2005 |
| D002          | Solid waste that exhibits the characteristic of corrosivity  | 55              | GALLONS        | GENERATED           | 2003 |

## Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL    |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|--------|
| Barium        | 7440393 |              |              |              |              |              | 1mg/L* |

## Map Identification Number 283

## NYSDEC Name:

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

## CONSOLIDATED EDISON

MH31736 328 WEST ST

CON EDISION - MH 51736

WEST &amp; HOUSTON ST. WEST &amp; HOUS

NEW YORK, NY 10003

NEW YORK, NY 10003

## Facility Id: NYP004081493

TT-Id: 740A-0027-030

## MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 648 feet to the WSW

## ADDRESS CHANGE INFORMATION

Revised street: 328 WEST ST

Revised zip code: 10014

Special Note: The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Storer:

Receives offsite waste:

Treatment facility:

Notification date: 0

Incinerator:

Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
LARGE QUANTITY GENERATOR

## NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE<br>CODE | WASTE<br>DESCRIPTION | WASTE<br>AMOUNT | WASTE<br>UNITS | TRANSACTION<br>TYPE | YEAR |
|---------------|----------------------|-----------------|----------------|---------------------|------|
| D008          | Lead                 | 3               | CUBIC YDS      | GENERATED           | 2001 |

## Toxicity Information Summary

| CHEMICAL NAME | CAS-NO  | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL        |
|---------------|---------|--------------|--------------|--------------|--------------|--------------|------------|
| Lead          | 7439921 | X            | X            | X            | X            |              | 0.05mg/L * |



### CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 284**      **UNITED PARCEL SERVICE**  
325 WEST HOUSTON STREET

NEW YORK, NY 10013

**Facility Id: 2-000345**  
TT-Id: 780A-0001-430

#### MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 213 feet to the WSW

#### ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10014

Expiration Date of the facility's registration certificate: 08/13/2000

Owner Name: UNITED PARCEL SERVICE

Owner Address: 643 WEST 43 STREET

Operator Name: MIKE ROCCI

Site Status: INACTIVE

NEW YORK, NY 10036

Facility Phone #: (212) 229-0950

Site Type: OTHER

| TANK<br>NUMBER | TANK<br>STATUS | CHEMICAL<br>NAME | CAPACITY<br>GALLONS | TANK<br>LOCATION | INSTALL<br>DATE | DATE<br>CLOSED |
|----------------|----------------|------------------|---------------------|------------------|-----------------|----------------|
| AST-1          | CLOSED-REMOVED | ETHYLENE GLYCOL  | 300                 | ABOVEGROUND      | 10/95           | 00/00          |

#### Toxicity Information Summary

| CHEMICAL NAME   | CAS-NO | ACUTE<br>TOX | TUMOR<br>TOX | MUTAG<br>TOX | REPRO<br>TOX | IRRIT<br>TOX | MCL     |
|-----------------|--------|--------------|--------------|--------------|--------------|--------------|---------|
| ETHYLENE GLYCOL | 107211 | X            | X            | X            | X            | X            | 50 ug/L |

**HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS**

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 285**      **UNKNOWN**  
VAN DAM /GREENWICH

, NY

TT-Id: 800A-0000-144

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 427 feet to the SSW

**ADDRESS CHANGE INFORMATION**

Revised street: VAN DAM / GREENWICH

Revised zip code: 10013

DATE ASSOCIATED WITH THIS SITE BY  
REFERENCED HISTORICAL RECORDS:

1922

COMPANY NAME ASSOCIATED WITH THIS SITES: NEW YORK EDISON

FACILITY TYPE(S) FOUND AT THIS LOCATION: UNKNOWN FACILITY TYPE

**Map Identification Number 286**      **VANDAM ST**  
92-98 VANDAM ST

NEW YORK, NY

TT-Id: 800A-0000-145

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 474 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: UNKNOWN

DATE ASSOCIATED WITH THIS SITE BY  
REFERENCED HISTORICAL RECORDS:

1911

COMPANY NAME ASSOCIATED WITH THIS SITES:

FACILITY TYPE(S) FOUND AT THIS LOCATION: ANNEX  
GENERATING STATION

**HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS**

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 287**

**GSA BUILDING SITE**  
201 VARICK ST

NEW YORK, NY 10014

**Site Number Id:**

**Registry Id: U**  
TT-Id: 840A-0000-663

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 608 feet to the ENE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

\*\*\*\*\*

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Division of Hazardous Waste Remediation  
Hazardous Substance Waste Disposal Site Study

Inventory Status: Removed from the Hazardous Substance Inventory

Reason site did not qualify for the Inventory:

No evidence of disposal

**SITE INFORMATION**

Site Name: GSA BUILDING SITE  
Site Street: 201 VARICK ST  
Site City: NEW YORK  
Site Zip: 10014  
Region: 2

Site Number:  
Registry: No  
Registry Site ID: Unknown  
RCRA: Unknown  
EPA ID: NY4690311002

US EPA No Further Remedial Action Planned? Unknown

Site Code: 5-office

Description: OTHER - OFFICE

Acres: 0.00  
Completed Investigation? PA/SI  
Is Site Active: Unknown  
Years of Operation: Unknown to Unknown

Quadrangle: Unknown  
HRS Score: Unknown  
HRS Date: Unknown

Site Description:

Office Building was reportedly never used for hazardous substance disposal.

Owner: Federal  
Owner Name: GENERAL SERVICES ADMIN  
Owner Street: 26 FEDERAL PLAZA  
Owner City/ZIP/State: NY, NY  
Owner Telephone: 212-264-8787

Operator: Federal  
Operator Name: SAME  
Operator Street: Unknown  
Operator City/ZIP/State:  
Operator Telephone: Unknown

#### SITE IMPACT DATA

##### Affected Media:

|                      |         |                                                     |         |
|----------------------|---------|-----------------------------------------------------|---------|
| Contamination of...  |         | Hazardous Substance Exposed?                        | Unknown |
| ...Surface Water?    | Unknown | Controlled Site Access?                             | Unknown |
| ...Groundwater?      | Unknown | Ambient Air Contamination?                          | Unknown |
| ...Drinking Water?   | Unknown | Threat of Direct Contact?                           | Unknown |
| Surface Water Class: | Unknown | Documented Fish or Wildlife Mortality?              | Unknown |
| Groundwater Class:   | Unknown | Impact on Special Status Fish or Wildlife Resource? | Unknown |
|                      |         | Active Drinking Water Supply?                       | Unknown |

##### Descriptions:

|                                           |               |
|-------------------------------------------|---------------|
| Surface Water:                            | None provided |
| Groundwater:                              | None provided |
| Drinking Water:                           | None provided |
| Fish or Wildlife Mortality:               | None provided |
| Special Status Fish or Wildlife Resource: | None provided |
| Building:                                 | None provided |

#### THREAT TO THE ENVIRONMENT OR PUBLIC HEALTH

Threat to the Environment or the Public Health: Unknown

##### Threat Posed by Disposed Hazardous Substance:

APA report was previously done on the site, and it was determined that there was no generation, treatment, storage, or disposal of hazardous wastes on site.

#### HAZARDOUS SUBSTANCES DISPOSED:

VOCs: No      Semi-VOCs: No      PCBs: No      Pesticides: No      Metals: No      Asbestos: No

Hazardous Substances Disposed:

Glutareldehyde 111-30-8 5 gal suspected

SELECTED ANALYTICAL INFORMATION:

Samples Collected:

None

|                  |               |
|------------------|---------------|
| Air:             | None provided |
| Surface Water:   | None provided |
| Surface Soil:    | None provided |
| Waste:           | None provided |
| EPToxicity:      | None provided |
| Groundwater:     | None provided |
| Sediment:        | None provided |
| Subsurface Soil: | None provided |
| Leachate:        | None provided |
| TCLP:            | None provided |

AGENCY INFORMATION:

Regulatory Agencies Involved:

NYSDEC

Preparer:

Julie Welch(pb) Env. Engineering Tech June 15, 1994





***NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS***



***NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS***

**AIR DISCHARGE FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS**

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 288**     **JAMES NEWCOMB CO**  
345 HUDSON ST  
EPA (FINDS) Name: JAMES NEWCOMB CO  
EPA (FINDS) Address: 345 HUDSON ST

**Facility Id: 3606100007**  
NEW YORK, NY 10014  
NEW YORK 10014

**State-county CDS Id: 3606100007**  
State-county NED id:  
TT-ID: 900A-0004-083

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 201 feet to the ESE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

This site has been delisted from the current data. The data below is the last known.

CDS-ID: 00007     NED-ID: None Given  
Plant Phone #1: None Given     Plant Phone #2: None Given  
Operating Status: OPERATING  
EPA Classification:  
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
EPA Plant Compliance Status:  
State Plant Compliance Status: IN COMPLIANCE - CERTIFICATION

EPA-ID: NYD986874451

FINDS-ID: NYD986874451

**AIR PROGRAM INFORMATION**

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

**POLLUTANT INFORMATION**

Pollutant: DEFAULT POLLUTANT FROM CDS  
State Pollutant Compliance for this pollutant: IN COMPLIANCE - CERTIFICATION

**Map Identification Number 289**     **BOWNE & CO INC**  
345 HUDSON ST  
EPA (FINDS) Name: BOWNE & CO INC  
EPA (FINDS) Address: 345 HUDSON ST

**Facility Id: 3606100383**  
NEW YORK, NY 10014  
NEW YORK 10014

**State-county CDS Id: 3606100383**  
State-county NED id:  
TT-ID: 900A-0004-084

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 201 feet to the ESE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

CDS-ID: 00383 NED-ID: None Given  
Plant Phone #1: None Given Plant Phone #2: None Given  
Operating Status: OPERATING  
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
EPA Plant Compliance Status:  
State Plant Compliance Status: UNKNOWN COMPLIANCE STATUS

EPA-ID: NYD046172797

FINDS-ID: NYD046172797

## AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Regulatory Air Program: UNKNOWN CODE (F)

Program Status: OPERATING

Program Status: PERMANENTLY CLOSED

## POLLUTANT INFORMATION

Pollutant: DEFAULT POLLUTANT FROM CDS

State Pollutant Compliance for this pollutant: UNKNOWN COMPLIANCE STATUS

Pollutant: DEFAULT POLLUTANT FROM CDS

State Pollutant Compliance for this pollutant: IN COMPLIANCE - INSPECTION

**Map Identification Number 290 US BANKNOTE CORP**

345 HUDSON ST

EPA (FINDS) Name: US BANKNOTE CORP

EPA (FINDS) Address: 345 HUDSON ST

**Facility Id: 3606100403****State-county CDS Id: 3606100403**

NEW YORK, NY 10014

State-county NED id:

TT-ID: 900A-0004-085

NEW YORK 10014

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 201 feet to the ESE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

This site has been delisted from the current data. The data below is the last known.

CDS-ID: 00403 NED-ID: None Given  
Plant Phone #1: None Given Plant Phone #2: None Given  
Operating Status: OPERATING  
EPA Classification:  
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
EPA Plant Compliance Status:  
State Plant Compliance Status: UNKNOWN COMPLIANCE STATUS

EPA-ID: NYD986875052

FINDS-ID: NYD986875052

## AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

## POLLUTANT INFORMATION

Pollutant: DEFAULT POLLUTANT FROM CDS

State Pollutant Compliance for this pollutant: UNKNOWN COMPLIANCE STATUS

**Map Identification Number 291**      **US BANKNOTE CORP**  
345 HUDSON ST

NEW YORK, NY 10014

**FINDS Id: NYD986875052**  
State-county CDS id: 3606102102  
TT-ID: 900A-0004-086

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 201 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

This site was identified in the EPA FINDS database. No air pollutant information given here.

**Map Identification Number 292**      **NICO CONSTRUCTION COMPANY NY**  
345 HUDSON ST

NEW YORK, NY 10014

**FINDS Id: NYD078873932**  
State-county CDS id: 3606180162  
TT-ID: 900A-0004-087

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 201 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

This site was identified in the EPA FINDS database. No air pollutant information given here.

**Map Identification Number 293**      **NICO CONSTR CO INC**  
345 HUDSON STREET

NEW YORK, NY 100130000

**FINDS Id: NYD078873932**  
State-county CDS id: 3606100526  
TT-ID: 900A-0004-088

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 201 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

This site was identified in the EPA FINDS database. No air pollutant information given here.

**Map Identification Number 294**      **BOWNE OF NEW YORK CITY INC**  
345 HUDSON ST 10TH FLR

NEW YORK, NY 100144589

**FINDS Id: NYD046172797**  
State-county CDS id: 3606102031  
TT-ID: 900A-0004-089

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 201 feet to the ESE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

This site was identified in the EPA FINDS database. No air pollutant information given here.

**Map Identification Number 295**      **GERSON OFFSET LITHOGRAPHY**  
333 HUDSON ST  
EPA (FINDS) Name: GERSON OFFSET LITHOGRAPHY  
EPA (FINDS) Address: 333 HUDSON ST

NY, NY 10013

**Facility Id: NY061XP4D**

**State-county CDS Id:**  
State-county NED id: 36061XP4D  
TT-ID: 900A-0004-090

NY 10013

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 337 feet to the SE

## ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

CDS-ID: None Given      NED-ID: XP4D  
Plant Phone #1: None Given      Plant Phone #2: (000)924-5910  
Operating Status:  
EPA Classification:  
State Classification:  
EPA Plant Compliance Status:  
State Plant Compliance Status:

EPA-ID: NYD986957165

FINDS-ID: NYD986957165

## AIR PROGRAM INFORMATION

No air program information given.

## POLLUTANT INFORMATION

No air pollutant information given.

**Map Identification Number 296**     **TISHMAN CONSTRUCTION**  
570 WASHINGTON STREET  
EPA (FINDS) Name: TISHMAN CONSTRUCTION  
EPA (FINDS) Address: 570 WASHINGTON STREET

**Facility Id: 3606100371**     **State-county CDS Id: 3606100371**  
MANHATTAN, NY 10014  
State-county NED id:  
MANHATTAN 10014  
TT-ID: 900A-0004-081

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 451 feet to the WNW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

CDS-ID: 00371     NED-ID: None Given  
Plant Phone #1: (212)399-3600     Plant Phone #2: None Given  
Operating Status: OPERATING  
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
EPA Plant Compliance Status:  
State Plant Compliance Status: UNKNOWN COMPLIANCE STATUS

EPA-ID: NY0001492289     FINDS-ID: NY0001492289

**AIR PROGRAM INFORMATION**

Regulatory Air Program: CFC TRACKING

Program Status: OPERATING

**POLLUTANT INFORMATION**

Pollutant: CHLOROFLUOROCARBONS  
State Pollutant Compliance for this pollutant: UNKNOWN COMPLIANCE STATUS

**Map Identification Number 297**     **UNITED BROTHERHOOD OF CARPENTERS/JOINERS**  
395 HUDSON STREET

**Facility Id: 36061P0048**     **State-county CDS Id: 36061P0048**  
NEW YORK, NY 10014  
State-county NED id:  
TT-ID: 900A-0003-583

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 547 feet to the NNE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

CDS-ID: P0048     NED-ID: None Given  
Plant Phone #1: None Given     Plant Phone #2: None Given  
Operating Status: OPERATING  
EPA Classification:  
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
EPA Plant Compliance Status:  
State Plant Compliance Status: IN COMPLIANCE - CERTIFICATION

EPA-ID: None Given     FINDS-ID: None Given

AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

POLLUTANT INFORMATION

Pollutant: VOLATILE ORGANIC COMPOUNDS

State Pollutant Compliance for this pollutant: IN COMPLIANCE - CERTIFICATION

**Map Identification Number 298**

**RED BALL INTERIOR DEMLTN CORP**  
575 WASHINGTON STREET

NEW YORK, NY 10014

**FINDS Id: NYD046186235**

State-county CDS id: 3606100534  
TT-ID: 900A-0003-644

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 601 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

This site was identified in the EPA FINDS database. No air pollutant information given here.

**Map Identification Number 299**

**RED BALL INTERIOR DEMOLITION**  
575 WASHINGTON ST

NEW YORK, NY 10014

**FINDS Id: NYD046186235**

State-county CDS id: 3606180187  
TT-ID: 900A-0003-684

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 601 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

This site was identified in the EPA FINDS database. No air pollutant information given here.

**Map Identification Number 300**

**UNITED INTERIOR DEMO**  
575 WASHINGTON AVE.

NEW YORK, NY 10001

**FINDS Id: NYD986875664**

State-county CDS id: 3606100505  
TT-ID: 900A-0003-854

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 601 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

This site was identified in the EPA FINDS database. No air pollutant information given here.



**Map Identification Number 301**      **UNITED INTERIOR DEMO**  
575 WASHINGTON AVENUE

NEW YORK, NY 10001

**FINDS Id: NYD986875664**  
State-county CDS id: 3606180135  
TT-ID: 900A-0003-877

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 601 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

This site was identified in the EPA FINDS database. No air pollutant information given here.

**Map Identification Number 302**      **HESCO ENVIRONMENTAL SAFETY**  
56 CLARKSON STREET

NEW YORK, NY 10014

**FINDS Id: NYD986875649**  
State-county CDS id: 3606180050  
TT-ID: 900A-0003-680

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 601 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

This site was identified in the EPA FINDS database. No air pollutant information given here.

**Map Identification Number 303**      **HESCO ENVIRON SAFETY**  
56 CLARKSON ST

NEW YORK, NY 10014

**FINDS Id: NYD986875649**  
State-county CDS id: 3606100494  
TT-ID: 900A-0003-642

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 601 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

This site was identified in the EPA FINDS database. No air pollutant information given here.



***NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS***



***NO NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS - "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS***

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)  
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF  
551-561 Greenwich Street  
New York, NY 10013

\* Any ERNS Spills listed below are NOT mapped in this report \*

ONSITE ERNS (A count of these spills can be found in the distance interval table):  
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

POTENTIALLY ONSITE ERNS:  
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

## Unmappable facilities for 'New York' County

## NPL/CERCLIS/NYSDEC Inactive Haz. Waste or Reg. Qual. Sites

| FACILITY ID  | FACILITY NAME           | STREET  | CITY     | ZIP     |
|--------------|-------------------------|---------|----------|---------|
| NYD980531578 | LEROY SHOT & LEAD WORKS | UNKNOWN | NEW YORK | UNKNOWN |

## Solid Waste Facilities

| FACILITY ID | FACILITY NAME     | STREET | CITY | ZIP     |
|-------------|-------------------|--------|------|---------|
| 31D01       | CENTRAL PARK DEMO |        |      | UNKNOWN |
| 31D02       | PENN CENTRAL DEMO |        |      | UNKNOWN |
| 31T06       | N.Y. CARTING T.S. |        |      | UNKNOWN |

## Hazardous Spills - TANK TEST FAILURES - Active

| FACILITY ID | FACILITY NAME | STREET                   | CITY     | ZIP     |
|-------------|---------------|--------------------------|----------|---------|
| 9001811     | PIER #192     | PORT AUTHORITY PIER #192 | NEW YORK | UNKNOWN |

## Hazardous Spills - MISC. SPILL CAUSES - Active

| FACILITY ID | FACILITY NAME           | STREET                  | CITY                    | ZIP     |
|-------------|-------------------------|-------------------------|-------------------------|---------|
| 9930008     | VARIOUS LOCATIONS DRUMS | DRUMS VARIOUS LOCATIONS | NEW YORK CITY (5 BOROS) | UNKNOWN |

## Hazardous Spills - TANK FAILURES - Closed

| FACILITY ID | FACILITY NAME     | STREET                   | CITY      | ZIP     |
|-------------|-------------------|--------------------------|-----------|---------|
| 9409199     | W. HOLLAND TUNNEL | W. END OF HOLLAND TUNNEL | MANHATTAN | 10013   |
| 9603272     | BERTH 86          | BERTH 86                 | NYC       | UNKNOWN |

## Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

| FACILITY ID | FACILITY NAME             | STREET                    | CITY                   | ZIP     |
|-------------|---------------------------|---------------------------|------------------------|---------|
| 9314159     | IN HUDSON RIVER-HARLEM RI | IN HUDSON RIVER-HARLEM RI | BRONX                  | UNKNOWN |
| 9200733     | G W BRIDGE MID CHANNEL    | G W BRIDGE MID CHANNEL    | BRONX                  | UNKNOWN |
| 0411062     | UPPER DECK OF GEORGE WASH | S/B OF PALISADE           | BRONX                  | UNKNOWN |
| 0209904     | VARIOUS DEP -BWSO SITES   | MISC.                     | BRONX/QUEENS/MANHATTAN | UNKNOWN |
| 8907807     | UNKNOWN                   | GEORGE WASHINGTON BRIDGE  | EDGEWATER              | UNKNOWN |
| 9909356     | MANHOLE 42241             | CENTER ISLAND & PARK RD   | MANHATTAN              | UNKNOWN |
| 9909292     | UPPER NY BAY              | NEAR BATTERY PARK         | MANHATTAN              | 10004   |
| 9906142     | HUDSON RIVER              | NEAR HUDSON RIVER PARKWAY | MANHATTAN              | 10032   |
| 9900428     | HARLEM RIVER AT THE       | HUDSON RIVER              | MANHATTAN              | UNKNOWN |
| 9811460     |                           | 6TH AVENUE                | MANHATTAN              | UNKNOWN |
| 9804732     | WESTSIDE HIGHWAY          | WESTSIDE HIGHWAY          | MANHATTAN              | UNKNOWN |
| 9804726     | PIER 17 OR 21             | PIER 17 OR 21             | MANHATTAN              | UNKNOWN |
| 9800477     | ERICSSON PLACE            | LAIGHT STREET             | MANHATTAN              | 10013   |
| 9800317     | CONSTRUCTION              | 9 FREEDOM PL              | MANHATTAN              | UNKNOWN |
| 9703206     | 607 FEET OFF WASHINGTON   | 607 FT OFF WASHINGTON AVE | MANHATTAN              | UNKNOWN |
| 9702606     | UPPER BAY                 | HUDSON RIVER              | MANHATTAN              | UNKNOWN |
| 9602175     | NYC TRANSIT-NYCT          | W 4TH ST STATION          | MANHATTAN              | UNKNOWN |
| 9508054     | HOLLAND TUNNEL            | NORTH(MANHATTAN) SIDE     | MANHATTAN              | 10013   |
| 9413538     | STERLING RD & UNION PK RD | STERLING RD & UNION PK RD | MANHATTAN              | UNKNOWN |
| 9313614     | WEST HOUSTON STREET       | WEST HOUSTON STREET       | MANHATTAN              | 10014   |
| 9307684     | HUDSON RIVER              | HUDSON RIVER              | MANHATTAN              | UNKNOWN |
| 9307242     | BRIDGE TO B'WAY.EXPRESSWA | BRIDGE TO B'WAY.EXPRESSWA | MANHATTAN              | UNKNOWN |
| 9306911     | HUDSON RIVER              | HUDSON RIVER              | MANHATTAN              | UNKNOWN |
| 9305338     | VESTRY ST. AT FOOT 1F     | VESTRY ST AT FOOT 1F      | MANHATTAN              | 10013   |
| 9304009     | WIB0055 OUTFALL           | WIB0055 OUTFALL           | MANHATTAN              | UNKNOWN |
| 9304008     | HUDSON RIVER E.WIB 053 OU | HUDSON RIVER E.WIB 053 OU | MANHATTAN              | UNKNOWN |
| 9303117     | WEST MORRISON & MORRISON  | WEST MORRISON & MORRISON  | MANHATTAN              | UNKNOWN |
| 9303111     | TUNNEL VENTILATOR         | TUNNEL VENTILADOR         | MANHATTAN              | UNKNOWN |
| 9006769     | RESTAURANT/UNK ADDRESS    | UNKNOWN                   | MANHATTAN              | UNKNOWN |
| 8504758     | MANHATTAN                 | MANHATTAN                 | MANHATTAN              | UNKNOWN |

|         |                           |                               |               |         |
|---------|---------------------------|-------------------------------|---------------|---------|
| 8503796 | MANHATTAN                 | MANHATTAN                     | MANHATTAN     | UNKNOWN |
| 8503779 | MANHATTAN                 | MANHATTAN                     | MANHATTAN     | UNKNOWN |
| 8503506 | MANHATTAN                 | MANHATTAN                     | MANHATTAN     | UNKNOWN |
| 8503421 | MANHATTAN                 | MANHATTAN, EAST RIVER         | MANHATTAN     | WHR10   |
| 8503366 | MANHATTAN, NYC            | MANHATTAN, HUDSON RIVER       | MANHATTAN     | WHR10   |
| 8503301 | MANHATTAN                 | MANHATTAN                     | MANHATTAN     | UNKNOWN |
| 8503107 | MANHATTAN                 | MANHATTAN                     | MANHATTAN     | UNKNOWN |
| 0804938 | FDR DRIVE BETWEEN E 72ND  | JACKSON STREET                | MANHATTAN     | UNKNOWN |
| 0711574 | DRUM RUN                  | BETWEEN W 4TH ST AND W 3R     | MANHATTAN     | 10012   |
| 0505356 | MANHOLE #3068             | WEST 167 ST BETWEEN 5 & 6 AVE | MANHATTAN     | UNKNOWN |
| 0403144 | NEW YORK HARBOR ANCHORAGE | NEW YORK HARBOR               | MANHATTAN     | UNKNOWN |
| 0402835 | UNKNOWN CON ED STRUCTURE  | NORTHEAST CORNER AND EAST     | MANHATTAN     | UNKNOWN |
| 0312667 | MANHOLE #28166            | BROADWAY ST NE CORNER         | MANHATTAN     | UNKNOWN |
| 0311532 |                           | UNKNOWN                       | MANHATTAN     | UNKNOWN |
| 0310896 | NEW YORK HARBOR           | NEW YORK HARBOR               | MANHATTAN     | UNKNOWN |
| 0007492 |                           | WEST 10TH ST/MANAHHTAN AV     | MANHATTAN     | UNKNOWN |
| 0006158 | MANHOLE #58687            | HUDSON ST & MORRIS ST         | MANHATTAN     | UNKNOWN |
| 0004965 | MANHOLE #49439            | WEST ST/VERICK ST             | MANHATTAN     | UNKNOWN |
| 0708586 | SHAFT 26B                 | 30 & 10 STREET                | MANHATTEN     | UNKNOWN |
| 9905530 | VARIOUS LOCAIONS          | CITY AND WESTCHESTER          | NEW YORK      | UNKNOWN |
| 9808577 |                           | 1500 HARVARD BLVD             | NEW YORK      | UNKNOWN |
| 8907255 | HERTZ RENT A CAR/MANH     |                               | NEW YORK      | UNKNOWN |
| 8604519 | NEW YORK                  | NEW YORK                      | NEW YORK      | UNKNOWN |
| 8504836 | WATER FRONT MANHATTAN     | WATER FRONT MANHATTAN         | NEW YORK      | UNKNOWN |
| 0801987 | PORT OF ELIZABETH         | APM TERMINAL -BERTH AV8       | NEW YORK      | UNKNOWN |
| 0511100 | OPEN LAND -PAPER STREET   | NORTH 10TH STREET             | NEW YORK      | UNKNOWN |
| 0406845 |                           | BAYWAY TERMINAL-LINDEN NJ     | NEW YORK      | UNKNOWN |
| 0210329 | OSTANKINO                 | NEW YORK                      | NEW YORK      | UNKNOWN |
| 0210315 | PEARLMAR                  | NEW YORK                      | NEW YORK      | UNKNOWN |
| 0110864 | ON MARIA KNUITSEN VESSEL  | KINDER MORGAN DOCK 4          | NEW YORK      | UNKNOWN |
| 9403600 | HUDSON RIVER              | HUDSON RIVER                  | NEW YORK CITY | UNKNOWN |
| 9003659 | HUDSON RIVER/HARLEM RIVER | HUDSON RIVER/HARLEM RIVER     | NEW YORK CITY | UNKNOWN |
| 9002947 | HUDSON & HARLEM RIVER/BX  | HUDSON & HARLEM RIVER         | NEW YORK CITY | UNKNOWN |
| 8606984 | UNKNOWN ADDRESS !         | UNKNOWN                       | NEW YORK CITY | UNKNOWN |
| 0709130 | 5 MILES OUT               | AMBROSE ANCHERAGE             | NEW YORK CITY | UNKNOWN |
| 9207036 | BUOYS 22 & 24             | BUOYS 22 & 24                 | NY            | UNKNOWN |
| 9112696 | BARGE                     | BARGE                         | NYC           | UNKNOWN |
| 9710928 | HUDSON RIVER              | UNK                           | QUEENS        | UNKNOWN |
| 8607173 | UNK                       | UNKNOWN                       | UNKNOWN       | UNKNOWN |
| 9302505 | WESTSIDE HOBOKEN N.J.     | HUDSON RIVER -HOBOKEN N.J     | WESTSIDE HWY  | UNKNOWN |

Hazardous Spills - MISC. SPILL CAUSES - Closed

| FACILITY ID | FACILITY NAME             | STREET                    | CITY      | ZIP     |
|-------------|---------------------------|---------------------------|-----------|---------|
| 9907607     | CANAL                     | SANITATION                | MANHATTAN | UNKNOWN |
| 9807212     |                           | DESDROSSES ST             | MANHATTAN | 10013   |
| 9804785     | APT 4J-                   | 10 BAY STREET LANDING     | MANHATTAN | UNKNOWN |
| 9803042     | HUDSON AV TUNNEL          | MANHATTAN SIDE OF TUNNEL  | MANHATTAN | UNKNOWN |
| 9713418     | UNKNOWN                   | UNKNOWN                   | MANHATTAN | UNKNOWN |
| 9702769     | 600 FT FROM               | WASHINGTON AVE            | MANHATTAN | UNKNOWN |
| 9502798     | SOUTH TUNNEL/NJ - NYC     | SOUTH TUNNEL/ NJ - NYC    | MANHATTAN | UNKNOWN |
| 9414330     | 5 MORGAN CT               | 5 MORGAN CT               | MANHATTAN | UNKNOWN |
| 9410330     | 115 LAKE ROAD             | 115 LAKE ROAD             | MANHATTAN | UNKNOWN |
| 9402295     | LOWER LEVEL EB #12        | LOWER LEVER EB #12        | MANHATTAN | UNKNOWN |
| 9312697     | HUDSON RIVER              | HUDSON RIVER              | MANHATTAN | UNKNOWN |
| 9312441     | 35 GROSS STREET           | 35 GROSS STREET           | MANHATTAN | UNKNOWN |
| 9304809     | PLANDOMD ROAD ?           | PLANDOMD ROAD?            | MANHATTAN | UNKNOWN |
| 9300937     | 220 SEAMAN AVE - APT BLDG | 220 SEAMAN AVE - APT BLDG | MANHATTAN | UNKNOWN |
| 9212593     | 119 ZECNILYEA AVE         | 119 ZECNILYEA AVE         | MANHATTAN | UNKNOWN |
| 0709465     | NEW YORK HARBOR           | UNKNOWN STREET ADDRESS    | MANHATTAN | UNKNOWN |
| 0703164     | BUS SPILL                 | 140 3RD ST                | MANHATTAN | UNKNOWN |

|         |                           |                           |               |         |
|---------|---------------------------|---------------------------|---------------|---------|
| 0511906 | TANKER SPILL              | ROOSEVELT AVE/ BQE        | MANHATTAN     | UNKNOWN |
| 0506125 | VERRAZANO BRIDGE          | NO STREET ADDRESS         | MANHATTAN     | UNKNOWN |
| 0504784 | TV 4305                   | 133 W 7TH ST              | MANHATTAN     | UNKNOWN |
| 0500954 | FRONT OF                  | 25 GRANITE STREET         | MANHATTAN     | UNKNOWN |
| 0500598 | NEW YORK HARBOR           | NEW HARBOR                | MANHATTAN     | UNKNOWN |
| 0412017 | ON ROADWAY                | 500 BARROW STREET         | MANHATTAN     | 10014   |
| 0405891 | VAULT #6036               | HUDSON ST.                | MANHATTAN     | UNKNOWN |
| 0401661 | MANHATTAN GRID CHAMBER    | MAHATTAN GRID             | MANHATTAN     | UNKNOWN |
| 0401520 | MANHATTAN GRID CHAMBER    | MANHATTAN GRID CHAMBER    | MANHATTAN     | UNKNOWN |
| 0307439 | HUDSON RIVER              | HUDSON RIVER WAY          | MANHATTAN     | UNKNOWN |
| 0212482 | NORTH RIVER REGULATOR 21  | NORTH RIVER REGULATOR 21  | MANHATTAN     | UNKNOWN |
| 0109602 | WESTSIDE PLAZA            | NO ADDRESS(WESTSIDE PLAZA | MANHATTAN     | UNKNOWN |
| 0105054 | VAULT 8513                | 365 W. 2ND ST             | MANHATTAN     | UNKNOWN |
| 0013621 | PIER 45                   | NORTH RIVER               | MANHATTAN     | UNKNOWN |
| 0012765 | BETWEEN W49TH SUBSTATION  | & SPRAINBROOK SUBSTATION  | MANHATTAN     | UNKNOWN |
| 0012094 | NORTH SVC RD FDR DR       | COLUMN 28B                | MANHATTAN     | UNKNOWN |
| 0011747 | HUDSON RIVER @            | BATTERY PARK              | MANHATTAN     | UNKNOWN |
| 9706884 | ISLAND ST                 | SOUTH OF HOUSTON ST       | NEW YORK      | UNKNOWN |
| 9613557 | CANAL STREET              | CANAL STREET              | NEW YORK      | UNKNOWN |
| 9414775 | APARTMENT COMPLEX         | 7541 WASHINGTON AVENUE    | NEW YORK      | UNKNOWN |
| 8701129 | WEST STREET / MANHATTEN   | WEST STREET               | NEW YORK      | UNKNOWN |
| 0800863 | WORLD TRADE CENTER CONSTR | SITE                      | NEW YORK      | UNKNOWN |
| 0711696 | NEW YORK HARBOR           | FLATS ANCHORAGE           | NEW YORK      | UNKNOWN |
| 0409938 | NEW YORK IM TTDock A      | NEW YORK IM TT DOCK       | NEW YORK      | UNKNOWN |
| 0310659 | GREYSEND ANCHORAGE PORT   | UNKNOWN                   | NEW YORK      | UNKNOWN |
| 0106323 | HOLLAND TUNNEL            | SOUTH TUBE                | NEW YORK      | 10013   |
| 9606764 | FEEDER #71                | DUNWOODIE TO RAINEY       | NEW YORK CITY | UNKNOWN |
| 9004112 | BARGE E-15/HUDSON RIVER   | BARGE E-15/HUDSON RIVER   | NEW YORK CITY | UNKNOWN |
| 0402464 | IN FLIGHT                 | AIR                       | NY            | UNKNOWN |
| 9705377 | HUDSON TANK TERMINAL      | UNKNOWN                   | STATEN ISLAND | UNKNOWN |
| 9609013 | HUDSON RIVER              | NAVY PIER                 | STATEN ISLAND | UNKNOWN |
| 9501840 | UNKNOWN LOCATION          | UNKNOWN LOCATION          | WESTCHESTER   | UNKNOWN |

#### Petroleum Bulk Storage Facilities

| FACILITY ID | FACILITY NAME                  | STREET                           | CITY     | ZIP     |
|-------------|--------------------------------|----------------------------------|----------|---------|
| 2-606868    | 5 EAST STREET                  | 5 E STREET                       | NEW YORK | UNKNOWN |
| NY07443     | NYC FIRE                       |                                  | NEW YORK | UNKNOWN |
| NY07702     | P A OF N Y RM 402              | Y NY                             | NEW YORK | 10014   |
| 2-157856    | MOBIL S/S 1 JBWBT ARDOR GARAGE | MOBIL S/S 1 (JBWBT ARDOR GARAGE) | NY       | UNKNOWN |

#### Hazardous Waste Generation or Transport Facilities

| FACILITY ID  | FACILITY NAME                      | STREET                      | CITY      | ZIP     |
|--------------|------------------------------------|-----------------------------|-----------|---------|
| NYN20002A347 |                                    |                             |           | UNKNOWN |
| NYP004001319 | CONSOLIDATED EDISON CO             | CROSBY 165                  |           | UNKNOWN |
| NYP004021192 | CONSOLIDATED EDISON CO             | #46211 103 LEONARD          |           | UNKNOWN |
| NYP004003877 | CON ED - MH 59526                  | C/O BROADWAY 12 S/O PARK ST | MANHATTAN | UNKNOWN |
| NYP004031779 | CONSOLIDATED EDISON                | V2305C-306 WASHINGTONAVE    | MANHATTAN | UNKNOWN |
| NYP004037008 | CONSOLIDATED EDISON                | V5262-RIVERSIDE AVE         | MANHATTAN | UNKNOWN |
| NYP004037867 | CONSOLIDATED EDISON                | V2801-W 395TH ST            | MANHATTAN | UNKNOWN |
| NYP004043139 | CONSOLIDATED EDISON                | MH62189 - WSD ST            | MANHATTAN | UNKNOWN |
| NYP004056701 | CONSOLIDATED EDISON                | N/S                         | MANHATTAN | UNKNOWN |
| NYP004060638 | CONSOLIDATED EDISON                | MH494443-WATTS AVE          | MANHATTAN | 10013   |
| NYP004104188 | CONSOLIDATED EDISON                | GREENWICH STREET            | MANHATTAN | UNKNOWN |
| NYP004110201 | CONSOLIDATED EDISON                | V3480 / 92-104 CODA ST      | MANHATTAN | UNKNOWN |
| NYP004156592 | CONSOLIDATED EDISON                | 66W 35 STREET               | MANHATTAN | UNKNOWN |
| NY0000010363 | NYCDOT                             | N/S                         | N/S       | UNKNOWN |
| NYP004077467 | CONSOLIDATED EDISON                | MH37962-SAINT JOHN          | N/S       | UNKNOWN |
| NY0005000575 | JOHN DOE                           | DELETE                      | NEW YORK  | UNKNOWN |
| NYD004064622 | CONSOLIDATED EDISON                | N/S                         | NEW YORK  | UNKNOWN |
| NYD061200812 | GREENSPAN & KUSHLIN ENGRAVING CORP | 333 FAIRCHILD AVE           | NEW YORK  | UNKNOWN |

|              |                                       |                                |          |         |
|--------------|---------------------------------------|--------------------------------|----------|---------|
| NYP000007732 | NYCTA                                 | N/S                            | NEW YORK | UNKNOWN |
| NYP000915488 | CON EDISION - WTC AREA                | VARIOUS WTC LOCATIONS          | NEW YORK | UNKNOWN |
| NYP000918558 | NYCTA                                 | N/S                            | NEW YORK | UNKNOWN |
| NYP000948687 | VERIZON NEW YORK INC                  | 143 FRANLIN AVE                | NEW YORK | UNKNOWN |
| NYP004016929 | CONSOLIDATED EDISON                   | MH58324 65TH ST & PARK PLACE   | NEW YORK | UNKNOWN |
| NYP004020566 | CONSOLIDATED EDISON                   | V5715-READERS DIGEST           | NEW YORK | UNKNOWN |
| NYP004029294 | CONSOLIDATED EDISON                   | V8449-WASHINGTON ST            | NEW YORK | UNKNOWN |
| NYP004033411 | CONSOLIDATED EDISON                   | V0155                          | NEW YORK | UNKNOWN |
| NYP004034138 | CONSOLIDATED EDISON                   | V4847-W MARGINAL & W HOUSTIN S | NEW YORK | 10014   |
| NYP004039633 | CONSOLIDATED EDISON                   | VS0618-N/S                     | NEW YORK | UNKNOWN |
| NYP004044954 | CONSOLIDATED EDISON                   | V5555-KING ST                  | NEW YORK | UNKNOWN |
| NYP004048708 | CONSOLIDATED EDISON                   | 614145 M E                     | NEW YORK | UNKNOWN |
| NYP004050092 | CONSOLIDATED EDISON                   | V5105-F/O 101 WHO ST           | NEW YORK | UNKNOWN |
| NYP004063392 | CONSOLIDATED EDISON                   | 496 GLEN AVE                   | NEW YORK | UNKNOWN |
| NYP004066361 | CONSOLIDATED EDISON                   | V4661-DEAN 23RD AVE            | NEW YORK | UNKNOWN |
| NYP004066676 | CONSOLIDATED EDISON                   | MH61062                        | NEW YORK | UNKNOWN |
| NYP004068078 | CONSOLIDATED EDISON                   | TM3481                         | NEW YORK | UNKNOWN |
| NYP004072153 | CONSOLIDATED EDISON                   | MH73305                        | NEW YORK | UNKNOWN |
| NYP004072385 | CONSOLIDATED EDISON                   | 209 FLORENCE AVE               | NEW YORK | UNKNOWN |
| NYP004076295 | CONSOLIDATED EDISON                   | MH27243-BROWN                  | NEW YORK | UNKNOWN |
| NYP004083804 | CONSOLIDATED EDISON                   | BER BOX 54269                  | NEW YORK | UNKNOWN |
| NYP004084083 | CONSOLIDATED EDISON                   | SB36977 W HOUSTON ST           | NEW YORK | UNKNOWN |
| NYP004084158 | CONSOLIDATED EDISON                   | MH37253-HUDSON ST & HUDSON ST  | NEW YORK | UNKNOWN |
| NYP004084430 | CONSOLIDATED EDISON                   | MH37350 HUDSON AVE             | NEW YORK | UNKNOWN |
| NYP004138772 | CON EDISON                            | N NW COR FRANKLIN ST           | NEW YORK | 10013   |
| NYP004144119 | CONSOLIDATED EDISON                   | MH11077                        | NEW YORK | UNKNOWN |
| NYP004146122 | CONSOLIDATED EDISON                   | MANSION & MCKINLEY DUNWOODIE   | NEW YORK | UNKNOWN |
| NYP004146494 | CONED                                 | E/S HUDSON AVE                 | NEW YORK | UNKNOWN |
| NYP004703834 | CONSOLIDATED EDISON                   | MH26764                        | NEW YORK | UNKNOWN |
| NYR000026195 | NYSDOT RT 9A RECONS PROJ SEGMENT FOUR | CLARKSON ST - HORATIO ST       | NEW YORK | 10014   |
| NYR000034058 | NYCTA                                 | CONTRACT #S-34505 - RM 819     | NEW YORK | UNKNOWN |
| NYR000050625 | NYCTA                                 | 606W FROST                     | NYC      | UNKNOWN |
| NYP004016242 | CONSOLIDATED EDISON                   | V9379-32 HARRISON              | QUEENS   | UNKNOWN |
| NYP004024790 | CONSOLIDATED EDISON                   | MH61024 GREENWICH ST           | QUEENS   | UNKNOWN |

#### Hazardous Substance Waste Sites

| FACILITY ID | FACILITY NAME        | STREET            | CITY          | ZIP     |
|-------------|----------------------|-------------------|---------------|---------|
| NY0081      | ROUTE 9A - MANHATTAN | WEST SIDE HIGHWAY | NEW YORK CITY | UNKNOWN |

#### Wastewater Discharges

| FACILITY ID | FACILITY NAME               | STREET | CITY | ZIP     |
|-------------|-----------------------------|--------|------|---------|
| NY0200794   |                             |        |      | UNKNOWN |
| NYU200032   | CONSOLIDATED EDISON COMPANY |        |      | UNKNOWN |

#### Air Releases

| FACILITY ID | FACILITY NAME           | STREET               | CITY          | ZIP     |
|-------------|-------------------------|----------------------|---------------|---------|
| 3606100080  | NYCHA-FOSTER HOUSING    | NO STREET ADDRESS    | NEW YORK      | UNKNOWN |
| 3606100129  | NAVY DIST COMMANDER     | NO STREET ADDRESS    | NEW YORK      | UNKNOWN |
| 3606100495  | FEILER BROS CORP        | ROOM 1700            | NEW YORK      | UNKNOWN |
| 3606100552  | ACADEMY CONSTRUCTION    | NO STREET ADDRESS    | NEW YORK      | UNKNOWN |
| 3606180051  | FEILER BROS CORP        | ROOM 1700            | NEW YORK      | UNKNOWN |
| 3606100558  | SOS INTERNATIONAL       | BOX 2976 CHURCH STAT | NEW YORK CITY | UNKNOWN |
| NY061X0NP   | MIDTOWN HOLDING CO      | NO STREET ADDRESS    | NO CITY NAME  | UNKNOWN |
| NY061X2DR   | UNI HAB CO              | NO STREET ADDRESS    | NO CITY NAME  | UNKNOWN |
| NY061X351   | ESTATE OF ADOLPH TAUSIK | NO STREET ADDRESS    | NO CITY NAME  | UNKNOWN |
| NY061X5WJ   | 101 COOPER ST CO        | NO STREET ADDRESS    | NO CITY NAME  | UNKNOWN |



**Hazardous waste codes presented in individual Toxic Information Profiles are defined below.**

- B002 Petroleum oil or other liquid containing 50 ppm or greater of PCBs but less than 500 ppm PCBs. This includes oil from electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable.
- B003 Petroleum oil or other liquid containing 500 ppm or greater of PCBs.
- B007 Other PCB Wastes including contaminated soil, solids, sludges, clothing, rags, and dredge material.
- D001 Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.
- D002 Solid waste that exhibits the characteristic of corrosivity, but is not listed under any other hazardous waste code.
- D003 Solid waste that exhibits the characteristic of reactivity, but is not listed under any other hazardous waste code.
- D004 Arsenic
- D005 Barium
- D006 Cadmium
- D007 Chromium
- D008 Lead
- D009 Mercury
- D010 Selenium
- D011 Silver
- D018 BENZENE
- D035 Methyl ethyl ketone
- D037 Pentrachlorophenol
- D039 Tetrachloroethylene
- D040 Trichlorethylene
- F001 The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents

and spent solvent mixtures. (T)

- F002 The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)
- 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. (I)\*
- 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. (I,T)
- F006 Wastewater treatment sludges from electroplating operations except from the following processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum. (T)
- P012 Arsenic oxide  $\text{As}_2\text{O}_3$
- P105 Sodium azide
- R001
- U002 Acetone (I)
- U003 Acetonitrile (I,T)
- U044 Chloroform
- U069 Dibutyl phthalate
- U070 o-Dichlorobenzene
- U077 Ethane, 1,2-dichloro-
- U080 Methane, dichloro-

U122 Formaldehyde

U133 Hydrazine (R,T)

U134 Hydrogen fluoride (C,T)

U140 ' 1-Propanol, 2-methyl- (I,T)'

U151 Mercury

U154 Methanol (I)

U159 Methyl ethyl ketone (MEK) (I,T)

U165 Naphthalene

U188 Phenol

U210 Ethene, tetrachloro-

U211 Carbon tetrachloride

U214 Acetic acid, thallium(1+) salt

U226 Ethane, 1,1,1-trichloro-

U228 Ethene, trichloro-

U239 Xylene (I)

U240 2,4-D, salts & esters

t100

t103

t104

t105

t106

t107

t109

t112

t122

t142

t156

Source: U. S. Environmental Protection Agency

# How Toxic Site Locations Are Mapped

*Toxics Targeting* maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile*, along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

## MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

*Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.*

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

## ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

# Information Source Guide

*Toxics Targeting's Environmental Reports* contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.

ASTM required.\* Fannie Mae required.\*\*

Source: U. S. Environmental Protection Agency.<sup>1</sup>

Data attributes updated from: 5/7/2008.

Data obtained by Toxics Targeting: 5/7/2008.

New Facilities updated through: 5/7/2008.

Data obtained by Toxics Targeting: 5/7/2008.

2) **Inactive Hazardous Waste Disposal Site Registry:** New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry.

ASTM required.\* Fannie Mae required.\*\*

Source: New York State Department of Environmental Conservation.<sup>2</sup>

Data attributes updated through: 9/02/2008.

Data obtained by Toxics Targeting: 9/02/2008.

New Facilities updated to: 9/02/2008.

Data obtained by Toxics Targeting: 9/02/2008.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.\* Fannie Mae required.\*\*

Source: U. S. Environmental Protection Agency<sup>1</sup>

Data attributes updated through: 6/25/2008.

Data obtained by Toxics Targeting: 6/27/2008.

New facilities updated through: 6/25/2008.

Data obtained by Toxics Targeting: 6/27/2008.

4) **CERCLIS:** Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. No Further Remedial Action Planned (NFRAP) sites are also included.

ASTM required.\* Fannie Mae required.\*\*

Source: U. S. Environmental Protection Agency.<sup>1</sup>

Data attributes updated through: 1/09/2008.

Data obtained by Toxics Targeting: 3/12/2008.

New Facilities updated through: 1/09/2008.

Data obtained by Toxics Targeting: 3/12/2008.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

ASTM required.\*

Source: New York State Department of Environmental Conservation.<sup>2</sup>

Data attributes updated through: 9/02/2008.

Data obtained by Toxics Targeting: 9/02/2008.

New Facilities updated to: 9/02/2008.

Data obtained by Toxics Targeting: 9/02/2008.

(a) Brownfield Cleanup Program (BCP)

(b) Voluntary Cleanup Program (VCP)

(c) Environmental Restoration Program (ERP)

6) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers.

ASTM required.\* Fannie Mae required.\*\*

Source: New York State Department of Environmental Conservation.<sup>2</sup>

Data updated to: 12/31/2001.

Data obtained by Toxics Targeting: 3/16/2002.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Source: City of New York Department of Sanitation (1984). The Waste Disposal Problem in New York City: A Proposal For Action.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA).

ASTM required.\* Fannie Mae required.\*\*

Source: New York State Department of Environmental Conservation.<sup>2</sup>

New facilities updated through: 6/25/2008.

New facilities obtained by Toxics Targeting: 6/27/2008.

Manifest transactions data updated to: 6/25/2008.

Manifest transactions data obtained by Toxics Targeting: 6/27/2008.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.\* Fannie Mae required.\*\*

New facilities updated through: 6/25/2008.

Data attributes updated through: 6/25/2008.

Source: U. S. Environmental Protection Agency<sup>1</sup>

Data obtained by Toxics Targeting: 6/27/2008.

Data obtained by Toxics Targeting: 6/27/2008.

8) **Spills Information Database:** Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported on or before 11/03/2008.

ASTM required.\* Fannie Mae.\*\*

Source: NYS Department of Environmental Conservation.<sup>2</sup>

Spill attribute data through: 11/03/2008

New spills through: 11/03/2008

Spill attribute data obtained by Toxics Targeting: 11/03/2008

New spills data obtained by Toxics Targeting: 11/03/2008

Active spills: paperwork not completed.

Closed spills: paperwork completed.

Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Parts 610 and 17 NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons.

**Data withheld by the NYSDEC as of 4/1/2002.**

ASTM required.\* Fannie Mae required.\*\*

Source: New York State Department of Environmental Conservation.<sup>2</sup>

New facilities updated through: 1/1/2002.

Tank data updated through: 1/1/2002.

New facilities data obtained by Toxics Targeting: 1/11/2002.

Tank data obtained by Toxics Targeting: 1/11/2002.

10) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons.

ASTM required.\* Fannie Mae required.\*\*

Source: NYS Department of Environmental Conservation.<sup>2</sup>

All New York Counties except Cortland, Nassau, Rockland, Suffolk, and Westchester:

New facilities updated through: 4/2/2007.

Tank data updated through: 4/2/2007.

Data obtained: 4/5/2007.

Data obtained by Toxics Targeting: 4/5/2007.

#### 11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law.

ASTM required.\* Fannie Mae required.\*\*

Source: New York State Department of Environmental Conservation.<sup>2</sup>

New facilities updated through: 6/25/2008.

Manifest transactions data updated to: 6/25/2008.

New facilities obtained by Toxics Targeting: 6/27/2008.

Manifest transactions data obtained by Toxics Targeting: 6/27/2008.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.\* Fannie Mae required.\*\*

Source: U. S. Environmental Protection Agency<sup>1</sup>

New facilities updated through: 6/25/2008.

Data attributes updated through: 6/25/2008.

Data obtained by Toxics Targeting: 6/27/2008.

Data obtained by Toxics Targeting: 6/27/2008.

12) **Chemical Bulk Storage Facilities:** New York State database of facilities compiled pursuant to 6 NYCRR Part 596 that store regulated substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size.

**Data withheld by NYSDEC as of 4/1/2002.**

ASTM required.\* Fannie Mae required.\*\*

Source: New York State Department of Environmental Conservation.<sup>2</sup>

Data updated through: 1/1/2002.

Data obtained by Toxics Targeting: 1/11/2002.

13) **Historic New York City Utility Facilities (1898 to 1950):** An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study**: NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.

Source: New York State Department of Environmental Conservation.<sup>2</sup>

Data updated to: 5/16/2000.

Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI)**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement\*\* below.

Source: U. S. Environmental Protection Agency.<sup>1</sup> / NYS Department of Environmental Conservation<sup>2</sup>

Data updated through: 3/8/2004.

Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement\*\* below. Source: U. S. Environmental Protection Agency.<sup>1</sup>

Data updated through: 6/17/2004.

Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.

See Fannie Mae requirement\*\* below.

Source: U. S. Environmental Protection Agency<sup>1</sup>

Data updated through: 11/24/1999.

Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.\*\*

Source: U. S. Environmental Protection Agency.<sup>1</sup>

New Sites through: 10/14/1999.

Data updated through: 10/14/1999.

Data obtained by Toxics Targeting: 11/18/1999.

19) **New York City Environmental Quality Review (CEQR) – E Designation Sites**: These sites are parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed.

Data updated through: 10/29/2007.

Source: New York City Department of Planning<sup>3</sup>

Data obtained by Toxics Targeting: 11/08/2007

20) **New York City Fire Department Tank Data**.

Source: New York City Fire Department.

Data obtained by Toxics Targeting: 2/13/1997

21) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.

ASTM required.\* See Fannie Mae requirement\*\* below.

Source: U. S. Environmental Protection Agency.<sup>1</sup>

Data updated through: 1/31/2000.

Data obtained by Toxics Targeting: 2/15/2000

\* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).

\*\* Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

<sup>1</sup>U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

<sup>2</sup>NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

<sup>3</sup>New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216



**APPENDIX D**  
**LOCAL RECORDS**


☒ [CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

**NYC Department of Buildings  
Property Profile Overview**

| 551 GREENWICH STREET                  |                              | MANHATTAN 10014                                |        | BIN# 1010377 |       |
|---------------------------------------|------------------------------|------------------------------------------------|--------|--------------|-------|
| CHARLTON STREET                       | 111 - 111                    | Health Area                                    | : 6800 | Tax Block    | : 598 |
| GREENWICH STREET                      | 551 - 559                    | Census Tract                                   | : 53   | Tax Lot      | : 42  |
|                                       |                              | Community Board                                | : 102  | Condo        | : NO  |
|                                       |                              | Buildings on Lot                               | : 1    | Vacant       | : NO  |
| <a href="#">View DCP Addresses...</a> | <a href="#">Browse Block</a> | <a href="#">View Certificates of Occupancy</a> |        |              |       |

[View DCP Addresses...](#)    [Browse Block](#)
[View Certificates of Occupancy](#)

|                                      |                              |                            |     |
|--------------------------------------|------------------------------|----------------------------|-----|
| <b>Cross Street(s):</b>              | CHARLTON STREET, KING STREET |                            |     |
| <b>DOB Special Place Name:</b>       |                              |                            |     |
| <b>DOB Building Remarks:</b>         |                              |                            |     |
| <b>Landmark Status:</b>              |                              | <b>Special Status:</b>     | N/A |
| <b>Local Law:</b>                    | NO                           | <b>Loft Law:</b>           | NO  |
| <b>SRO Restricted:</b>               | NO                           | <b>TA Restricted:</b>      | NO  |
| <b>UB Restricted:</b>                | NO                           |                            |     |
| <b>Little 'E' Restricted:</b>        | N/A                          | <b>Grandfathered Sign:</b> | NO  |
| <b>Legal Adult Use:</b>              | NO                           | <b>City Owned:</b>         | NO  |
| <b>Additional BINs for Building:</b> | NONE                         |                            |     |

**Special District:** NONE

**Department of Finance Building Classification:** G2-GARAGE/GAS STAT'N

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

|                                            | Total                                       | Open | <a href="#">Elevator Records</a>                 |
|--------------------------------------------|---------------------------------------------|------|--------------------------------------------------|
| Complaints                                 | 1                                           | 0    | <a href="#">Electrical Applications</a>          |
| Violations-DOB                             | 1                                           | 0    | <a href="#">Permits In-Process / Issued</a>      |
| Violations-ECB (DOB)                       | 2                                           | 2    | <a href="#">Illuminated Signs Annual Permits</a> |
| Jobs/Filings                               | 3                                           |      | <a href="#">Plumbing Inspections</a>             |
| ARA / LAA Jobs                             | 0                                           |      | <a href="#">Open Plumbing Jobs / Work Types</a>  |
| Total Jobs                                 | 3                                           |      | <a href="#">Facades</a>                          |
| Actions                                    | 49                                          |      | <a href="#">Marquee Annual Permits</a>           |
| OR Enter Action Type: <input type="text"/> |                                             |      | <a href="#">Boiler Records</a>                   |
| OR Select from List:                       |                                             |      | <a href="#">DEP Boiler Information</a>           |
| Select... <input type="text"/>             |                                             |      |                                                  |
| AND                                        | <input type="button" value="Show Actions"/> |      |                                                  |

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.


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NYC Department of Buildings  
Property Profile Overview

| 561 GREENWICH STREET                  |                              | MANHATTAN 10014                                | BIN# 1803926    |
|---------------------------------------|------------------------------|------------------------------------------------|-----------------|
| GREENWICH STREET                      | 561 - 561                    | Health Area : 6800                             | Tax Block : 598 |
|                                       |                              | Census Tract : 53                              | Tax Lot : 48    |
|                                       |                              | Community Board : 102                          | Condo : NO      |
|                                       |                              |                                                | Vacant : YES    |
| <a href="#">View DCP Addresses...</a> | <a href="#">Browse Block</a> | <a href="#">View Certificates of Occupancy</a> |                 |

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

Special District: NONE

Department of Finance Building Classification: G6-GARAGE/GAS STAT'N

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

|                                            | Total                                       | Open | <a href="#">Elevator Records</a>                 |
|--------------------------------------------|---------------------------------------------|------|--------------------------------------------------|
| Complaints                                 | 0                                           | 0    | <a href="#">Electrical Applications</a>          |
| <a href="#">Violations-DOB</a>             | 1                                           | 1    | <a href="#">Permits In-Process / Issued</a>      |
| <a href="#">Violations-ECB (DOB)</a>       | 0                                           | 0    | <a href="#">Illuminated Signs Annual Permits</a> |
| <a href="#">Jobs/Filings</a>               | 1                                           |      | <a href="#">Plumbing Inspections</a>             |
| <a href="#">ARA / LAA Jobs</a>             | 0                                           |      | <a href="#">Open Plumbing Jobs / Work Types</a>  |
| <a href="#">Total Jobs</a>                 | 1                                           |      | <a href="#">Facades</a>                          |
| <a href="#">Actions</a>                    | 23                                          |      | <a href="#">Marquee Annual Permits</a>           |
| OR Enter Action Type: <input type="text"/> |                                             |      | <a href="#">Boiler Records</a>                   |
| OR Select from List:                       |                                             |      | <a href="#">DEP Boiler Information</a>           |
| Select...                                  |                                             |      |                                                  |
| AND                                        | <input type="button" value="Show Actions"/> |      |                                                  |

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NYC Department of Buildings

## Property Profile Overview

## NO BOILER RECORDS FOUND FOR THIS PROPERTY

| 551 GREENWICH STREET                  |           | MANHATTAN 10014              |        | BIN# 1010377                                   |       |
|---------------------------------------|-----------|------------------------------|--------|------------------------------------------------|-------|
| CHARLTON STREET                       | 111 - 111 | Health Area                  | : 6800 | Tax Block                                      | : 598 |
| GREENWICH STREET                      | 551 - 559 | Census Tract                 | : 53   | Tax Lot                                        | : 42  |
|                                       |           | Community Board              | : 102  | Condo                                          | : NO  |
|                                       |           | Buildings on Lot             | : 1    | Vacant                                         | : NO  |
| <a href="#">View DCP Addresses...</a> |           | <a href="#">Browse Block</a> |        | <a href="#">View Certificates of Occupancy</a> |       |

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

Special District: NONE

Department of Finance Building Classification: G2-GARAGE/GAS STAT'N

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

|                                                   | Total                                       | Open | Elevator Records                        |
|---------------------------------------------------|---------------------------------------------|------|-----------------------------------------|
| <u>Complaints</u>                                 | 1                                           | 0    | <u>Electrical Applications</u>          |
| <u>Violations-DOB</u>                             | 1                                           | 0    | <u>Permits In-Process / Issued</u>      |
| <u>Violations-ECB (DOB)</u>                       | 2                                           | 2    | <u>Illuminated Signs Annual Permits</u> |
| <u>Jobs/Filings</u>                               | 3                                           |      | <u>Plumbing Inspections</u>             |
| <u>ARA / LAA Jobs</u>                             | 0                                           |      | <u>Open Plumbing Jobs / Work Types</u>  |
| <u>Total Jobs</u>                                 | 3                                           |      | <u>Facades</u>                          |
| <u>Actions</u>                                    | 49                                          |      | <u>Marquee Annual Permits</u>           |
| <b>OR Enter Action Type:</b> <input type="text"/> |                                             |      | <u>Boiler Records</u>                   |
| <b>OR Select from List:</b>                       |                                             |      | <u>DEP Boiler Information</u>           |
| <input type="text" value="Select..."/>            |                                             |      |                                         |
| <b>AND</b>                                        | <input type="button" value="Show Actions"/> |      |                                         |

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.


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NYC Department of Buildings  
Property Profile Overview

**NO BOILER RECORDS FOUND FOR THIS PROPERTY**

| 561 GREENWICH STREET                  |           | MANHATTAN 10014              |        | BIN# 1803926                                   |       |
|---------------------------------------|-----------|------------------------------|--------|------------------------------------------------|-------|
| GREENWICH STREET                      | 561 - 561 | Health Area                  | : 6800 | Tax Block                                      | : 598 |
|                                       |           | Census Tract                 | : 53   | Tax Lot                                        | : 48  |
|                                       |           | Community Board              | : 102  | Condo                                          | : NO  |
|                                       |           |                              |        | Vacant                                         | : YES |
| <a href="#">View DCP Addresses...</a> |           | <a href="#">Browse Block</a> |        | <a href="#">View Certificates of Occupancy</a> |       |

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

Special District: NONE

**Department of Finance Building Classification:** G6-GARAGE/GAS STAT'N

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

|                      | Total | Open |
|----------------------|-------|------|
| Complaints           | 0     | 0    |
| Violations-DOB       | 1     | 1    |
| Violations-ECB (DOB) | 0     | 0    |
| Jobs/Filings         | 1     |      |
| ARA / LAA Jobs       | 0     |      |
| Total Jobs           | 1     |      |
| Actions              | 23    |      |

OR Enter Action Type:

OR Select from List:

Select...

AND

**Elevator Records**

[Electrical Applications](#)

[Permits In-Process / Issued](#)

[Illuminated Signs Annual Permits](#)

[Plumbing Inspections](#)

[Open Plumbing Jobs / Work Types](#)

[Facades](#)

[Marquee Annual Permits](#)

[Boiler Records](#)

[DEP Boiler Information](#)

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NYC Department of Buildings  
Actions

Page: 3

| Premises: 551 GREENWICH STREET MANHATTAN |                           | BIN: 1010377 | Block: 598 | Lot: 42 |
|------------------------------------------|---------------------------|--------------|------------|---------|
| NUMBER                                   | TYPE                      | FILE DATE    |            |         |
| ESA 572-60                               | ELECTRIC SIGN APPLICATION | 00/00/1960   |            |         |
| FE 201-11*                               | FIRE ESCAPE               | 00/00/1911   |            |         |
| MIS 34-1980                              | MISCELLANEOUS             | 00/00/1980   |            |         |
| MIS 34-1980                              | MISCELLANEOUS             | 00/00/1980   |            |         |
| NB 306-79*                               | NEW BUILDING              | 01/28/1979   |            |         |
| NB 403-80*                               | NEW BUILDING              | 00/00/1980   |            |         |
| NB 870-81*                               | NEW BUILDING              | 01/28/1981   |            |         |
| NC 145-02P*                              |                           | 00/00/1902   |            |         |
| P 1989-16*                               | PLUMBING                  | 01/28/1916   |            |         |
| P 192-32                                 | PLUMBING                  | 00/00/1932   |            |         |

[Previous](#)[Next](#)Enter Action Type:  Or Select from List: [Select...](#)[Refresh](#)

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.


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## NYC Department of Buildings

## Overview for Complaint #:1071827 = RESOLVED

Complaint at: 551 GREENWICH STREET

BIN: 1010377

Borough: MANHATTAN

ZIP: 10014

Re: CEILING COLLAPSING,PIECES HAVE ALREADY FELL ON COMPLIANTANTCAR.HOLES AND CRACKS ARE IN THE WALL

Category Code: 09 DEBRIS - EXCESSIVE

DOB District: N/A

Special District:

Assigned To: MANHATTAN BOROUGH OFFICE

Priority: B

Received: 11/24/1999 12:07

Block: 598

Lot: 42

Community Board: 102

Owner: CORP OF TRINITY CHURCH

Last Inspection: 11/24/1999 - - BY BADGE # 0856 GIARRAPUTO JAMES P MANHATTAN

Disposition: 12/01/1999 - - A1 - BUILDINGS VIOLATION(S) SERVED

Disposition Entered By: BEN 12/01/1999

Job Number:

Comments: VERTICAL AND HORIZONTAL CRACKS ,DEFECTIVE ROOF AND CEILING B EAMS

ECB Violation #s: 34227985C

## Complaint Disposition History

| Disposition |      | Disposition | Inspection By | Date |
|-------------|------|-------------|---------------|------|
| Date        | Code |             |               |      |

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

**BUREAU OF BUILDINGS****BOROUGH OF MANHATTAN, CITY OF NEW YORK****HVC****CERTIFICATE OF OCCUPANCY No. 18701****1932****Temporary**Supersedes Certificate of Occupancy No. **18667**

To the owner or owners of the building:

New York

Nov. 22, 1932

THIS CERTIFIES that the building located on Block **598**known as **551-9 Greenwich Street****125' front 996 Alt of**

under a permit, Application No. **19 32**, conforms to the approved plans and specifications accompanying said permit and any approved amendments thereto; and to the requirements of the building code and all other laws and ordinances and to the rules and regulations of the board of standards and appeals, applicable to a building of its class and kind, except that in the case of a building heretofore existing and for which no previous certificate of occupancy has been issued and which has not been altered or converted since March 14, 1916, to a use that changed its classification as defined in the building code, this certificate confirms and continues the existing uses to which the building has been put; and

CERTIFIES FURTHER that the building is of **nonfireproof** construction within the meaning of the building code and may be used and occupied as a **business** building as hereinafter qualified, in a **unrestricted** district under the building zone resolution, subject to all the privileges, requirements, limitations and conditions prescribed by law or as hereinafter specified.

| STORY     | LIVE LOADS<br>Lbs. per Sq. Ft. | PERSONS ACCOMMODATED |        |       | USE                         |
|-----------|--------------------------------|----------------------|--------|-------|-----------------------------|
|           |                                | MALE                 | FEMALE | TOTAL |                             |
| Cellar    |                                |                      |        |       | Heating System              |
| 1st Story | 200                            | 3                    |        | 3     | Garage for more than 5 cars |

This certificate is issued to

**Patrick J. Bradley,  
19 Beach Street, City.**

, for the owner or owners,



# BUREAU OF BUILDINGS

## BOROUGH OF MANHATTAN, CITY OF NEW YORK

**HVO CERTIFICATE OF OCCUPANCY No. 18667**
**193 2**

Supersedes Certificate of Occupancy No.

To the owner or owners of the building:

 New York **Nov. 1, 1932**

 THIS CERTIFIES that the building located on Block **598**, Lot **42-43-44-45-46-75**  
 known as **551-9 Greenwich Street**  
**125' front**

 under a permit, Application No. **996 A1t of 1932** conforms to the approved plans and specifications accompanying said permit and any approved amendments thereto, and to the requirements of the building code and all other laws and ordinances and to the rules and regulations of the Board of standards and appeals, applicable to a building of its class and kind, except that in the case of a building heretofore existing and for which no previous certificate of occupancy has been issued and which has not been altered or converted since March 14, 1916, to a use that changed its classification as defined in the building code, this certificate confirms and continues the existing uses to which the building has been put; and

 CERTIFIES FURTHER that the building is of **nonfireproof** construction within the meaning of the building code and may be used and occupied as a **business** building as hereinafter qualified, in a **n unrestricted** district under the building zone resolution, subject to all the privileges, requirements, limitations and conditions prescribed by law or as hereinafter specified.

| STORY                                                                                                                                                                                            | LIVE LOADS<br>Lbs. per Sq. Ft. | PERSONS ACCOMMODATED |        |       | USE                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------|--------|-------|-----------------------------|
|                                                                                                                                                                                                  |                                | MALE                 | FEMALE | TOTAL |                             |
| Cellar                                                                                                                                                                                           |                                |                      |        |       | Heating System              |
| 1st Story                                                                                                                                                                                        | 200                            | 3                    |        | 3     | Garage for more than 5 cars |
| Note: This is a temporary certificate of occupancy and is granted for a period of thirty (30) days from date of issue on condition that the test on standpipe will be obtained within that time. |                                |                      |        |       |                             |

This certificate is issued to

**Patrick J. Bradley,**  
**19 Beach Street, City.**

, for the owner or owners.

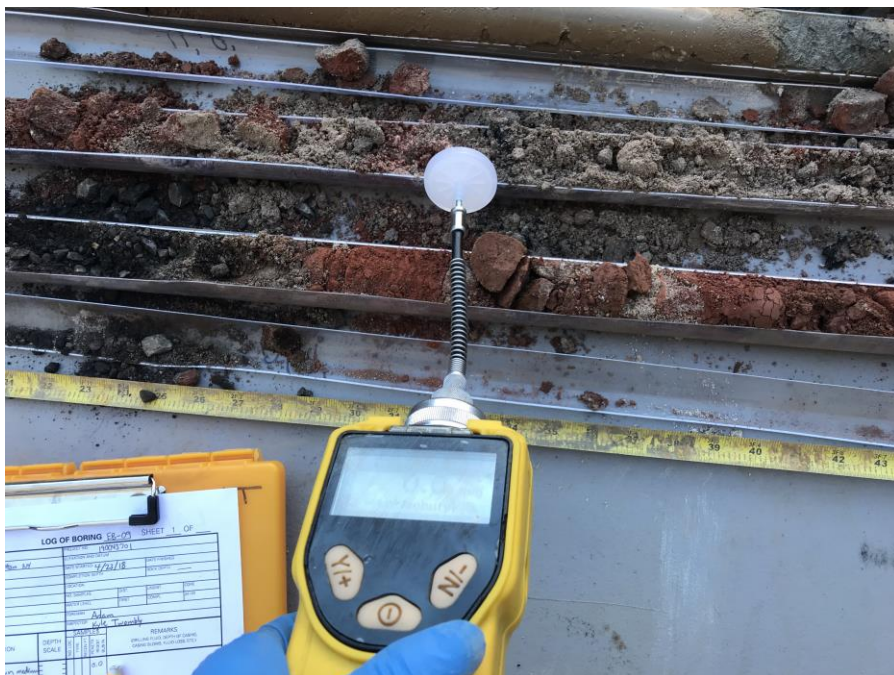


# **APPENDIX C**

## **PHOTO DOCUMENTATION LOG**



**Photo 1, 4/20/2018:** View of NOVA Geophysical clearing a boring location using ground penetrating radar (GPR) (facing northeast)



**Photo 2, 4/23/2018:** View of Langan screening soil for impacts in EB-09 using a MiniRAE 3000 photoionization detector (PID).





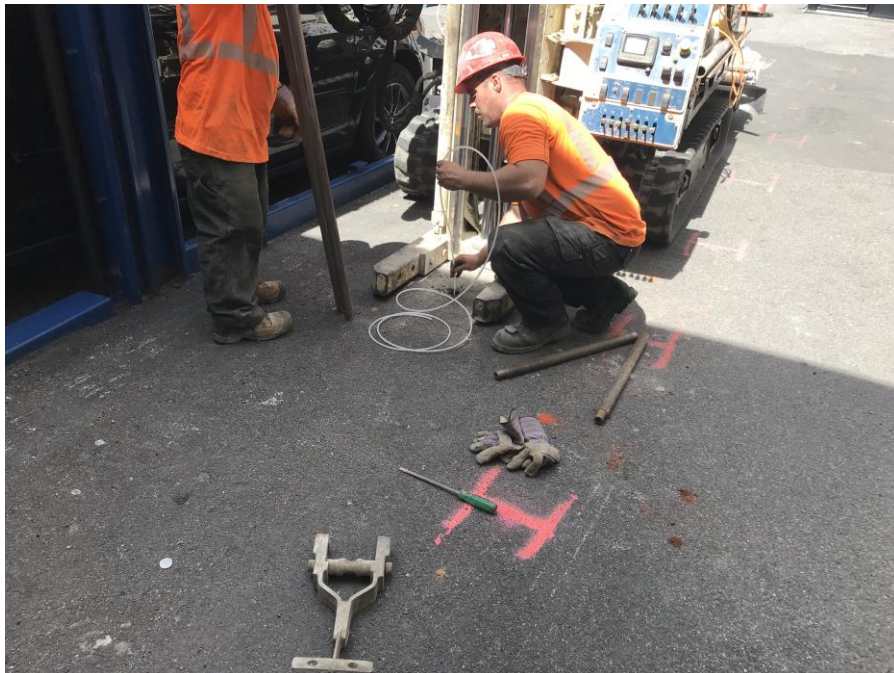
**Photo 3, 4/23/2018:** View of AARCO advancing soil boring EB-04 (facing northwest).



**Photo 4, 4/23/2018:** View of AARCO installing a monitoring well (facing northwest).



**Photo 5, 4/24/2018:** View of historic fill and native sand observed in EB-06, facing west.



**Photo 6, 4/24/2018:** View of AARCO installing soil vapor point SV-07, facing northwest.





**Photo 7, 4/25/2018:** View of helium test being conducted at a soil vapor point.



**Photo 8, 4/25/2018:** View of soil vapor sampling and ambient air sampling, facing southwest.



**Photo 9, 4/26/2018:** View of well development at monitoring well MW06, facing west.



**Photo 10, 5/2/2018:** View of groundwater sampling at monitoring well MW04.





**Photo 10, 5/2/2018:** View of monitoring well MW03, facing west.



**Photo 12, 5/2/2018:** General view of site, facing southeast.

# **APPENDIX D**

## **GEOPHYSICAL SURVEY REPORT**

# **GEOPHYSICAL ENGINEERING SURVEY REPORT**

**Commercial Site**

**551 Greenwich Street,  
New York, New York 10014**

**NOVA PROJECT NUMBER**

**18-0739**

**DATED**

**April 25, 2018**

**PREPARED FOR:**

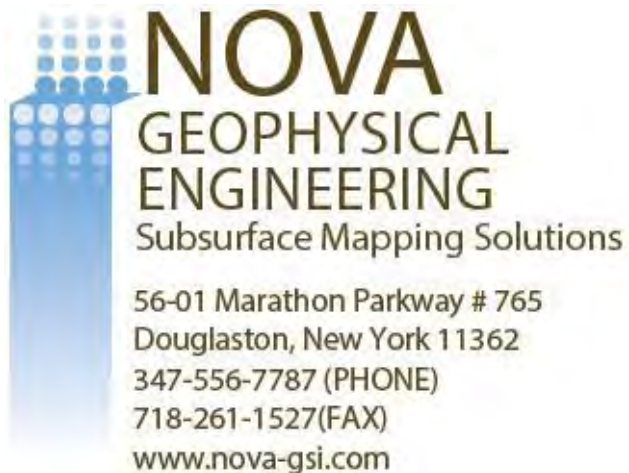
**Langan**

**21 Penn Plaza**

**360 West 31<sup>st</sup> Street, 8<sup>th</sup> Floor**

**New York, New York 10001**

**PREPARED BY:**



# NOVA GEOPHYSICAL SERVICES

## SUBSURFACE MAPPING SOLUTIONS

56-01 Marathon Parkway #765, Douglaston, New York 11362  
Ph. 347-556-7787 Fax. 718-261-1527  
[www.nova-gsi.com](http://www.nova-gsi.com)

---

April 25, 2018,

Paul McMahon, P.E.  
Project Engineer

### **Langan**

21 Penn Plaza  
360 West 31st Street, 8th Floor  
Brooklyn, New York 11207  
Direct: 212.479.5451  
Mobile: 914.433.1157

Re: Geophysical Engineering Survey (GES) Report  
Commercial Site  
551 Greenwich Street,  
New York, New York 10014

Dear Mr. McMahon,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 551 Greenwich Street, New York, New York 10014 (the "Site").

## INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

---

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks (USTs), other substructures as well as the clear and mark proposed boring areas on April 20<sup>th</sup>, 2018.

The equipment selected for this investigation was a Sensors and Software Noggin 250 MHz ground penetrating radar (GPR) with a shielded antenna and a Radio Detection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The

transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

## GEOPHYSICAL METHODS

---

The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

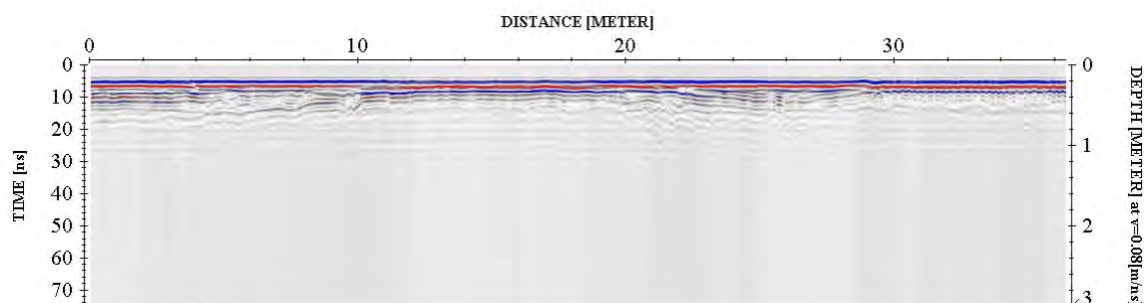
EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

## DATA PROCESSING

---

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

### **Step 1.** Import Raw RAMAC data to standard processing format



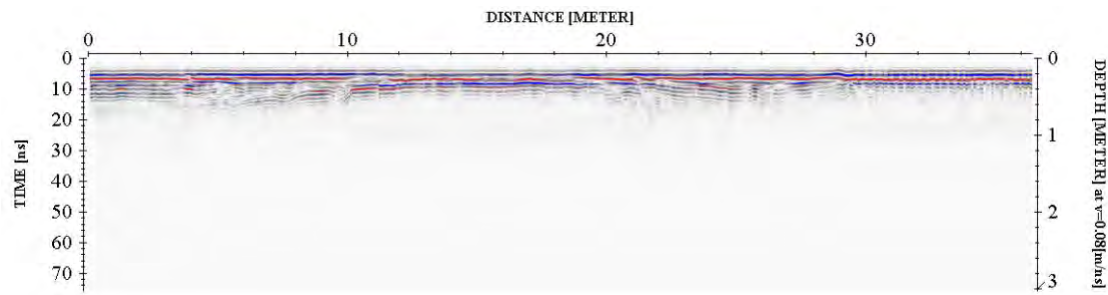


## GEOPHYSICAL ENGINEERING SURVEY REPORT

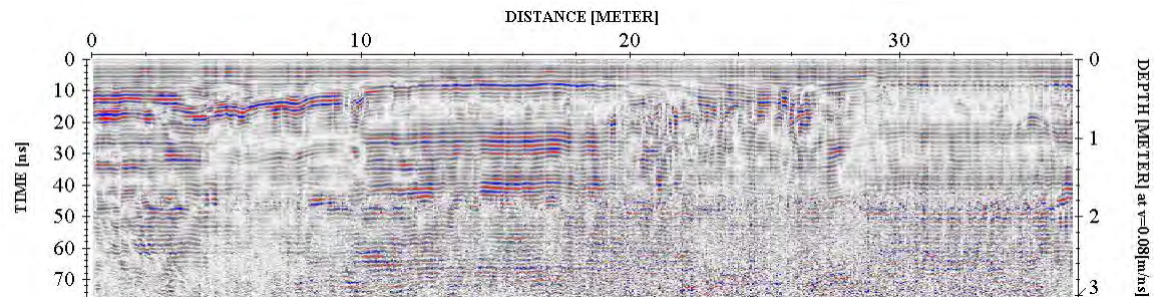
[Commercial Site](#)

551 Greenwich Street,  
New York, New York 10014

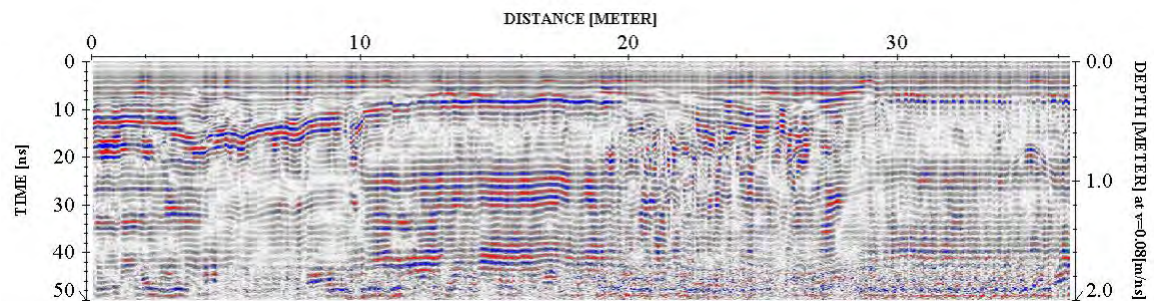
### Step 2. Remove instrument noise (*dewow*)



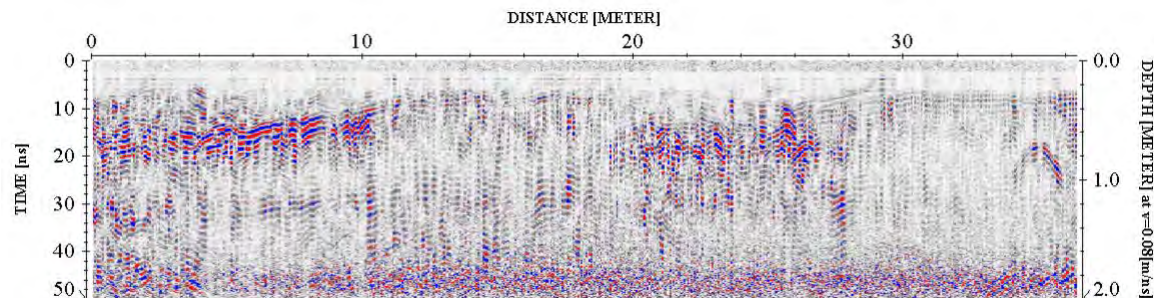
### Step 3. Correct for attenuation losses (*energy decay function*)



### Step 4. Remove static from bottom of profile (*time cut*)



### Step 5. Mute horizontal ringing/noise (*subtracting average*)



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

## PHYSICAL SETTINGS

---

NOVA observed the following physical conditions at the time of the survey.

**Weather:** Sunny

**Temperature:** 30° F

**Surface:** Concrete, Asphalt

**Geophysical Noise Level:** Geophysical noise at the site was very high due to being located in an urban environment, thick concrete slabs, and large metal lifts causing interference with the radar.

## RESULTS

---

The results of the geophysical engineering survey (GES) identified the following at the project site:

- Subsurface utility (electric, water, sewer and gas service) lines were identified entering the property as shown in the survey plan.
- Utility lines relating to the hydraulic car lifts on the site were identified in the subsurface on the property
- The approximate location of the basement is shown in the site survey plan.
- No large geophysical anomaly resembling a UST was identified within the suspected tank area due to an excessive amount of geophysical noise at the time of the survey. This could be due to the tank(s) being filled with concrete or removed. This area was marked during the survey. A fill port, two vent pipes, and two pump islands were also identified and are shown on the survey plan.

## GEOPHYSICAL ENGINEERING SURVEY REPORT

*Commercial Site*

551 Greenwich Street,  
New York, New York 10014

---

- An additional vent pipe was observed along the north side of the project site building. Due to limited access (metal parking lift) with high geophysical noise at the time of the survey, NOVA could not verify the potential anomaly that maybe associated with this vent pipe.
- All detected subsurface anomalies were marked in the onsite mark out.
- All cleared boring locations were marked in the onsite mark out.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

**NOVA Geophysical Services**



Levent Eskicakit, P.G., E.P.

Project Engineer

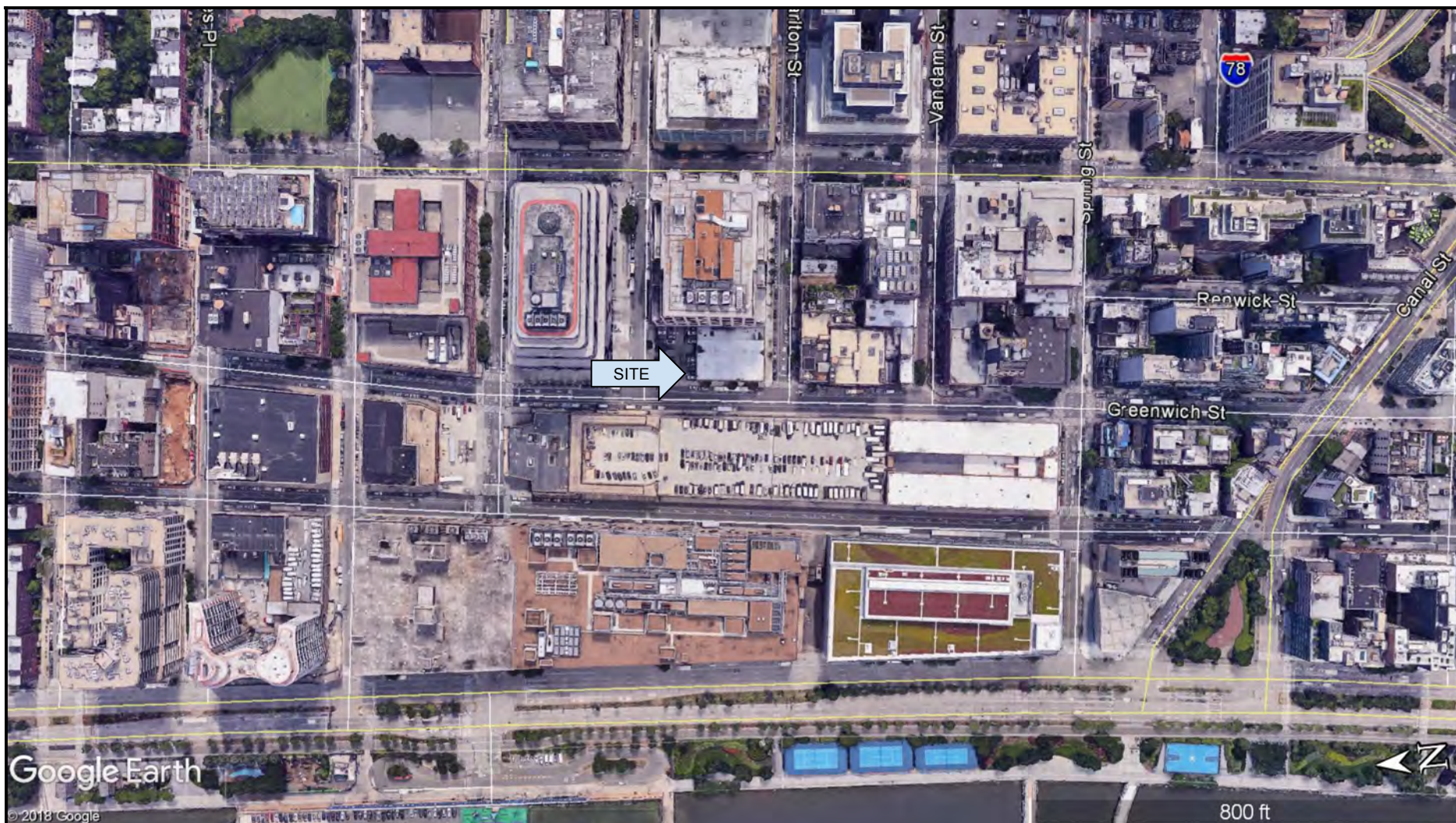
### **Attachments:**

Geophysical Images

Survey Plan

Site Location Map





Google Earth

© 2018 Google

800 ft

## SITE LOCATION MAP

## LEGEND

SITE: **Commercial Site**  
551 Greenwich Street  
New York, New York 10014

CLIENT: Langan

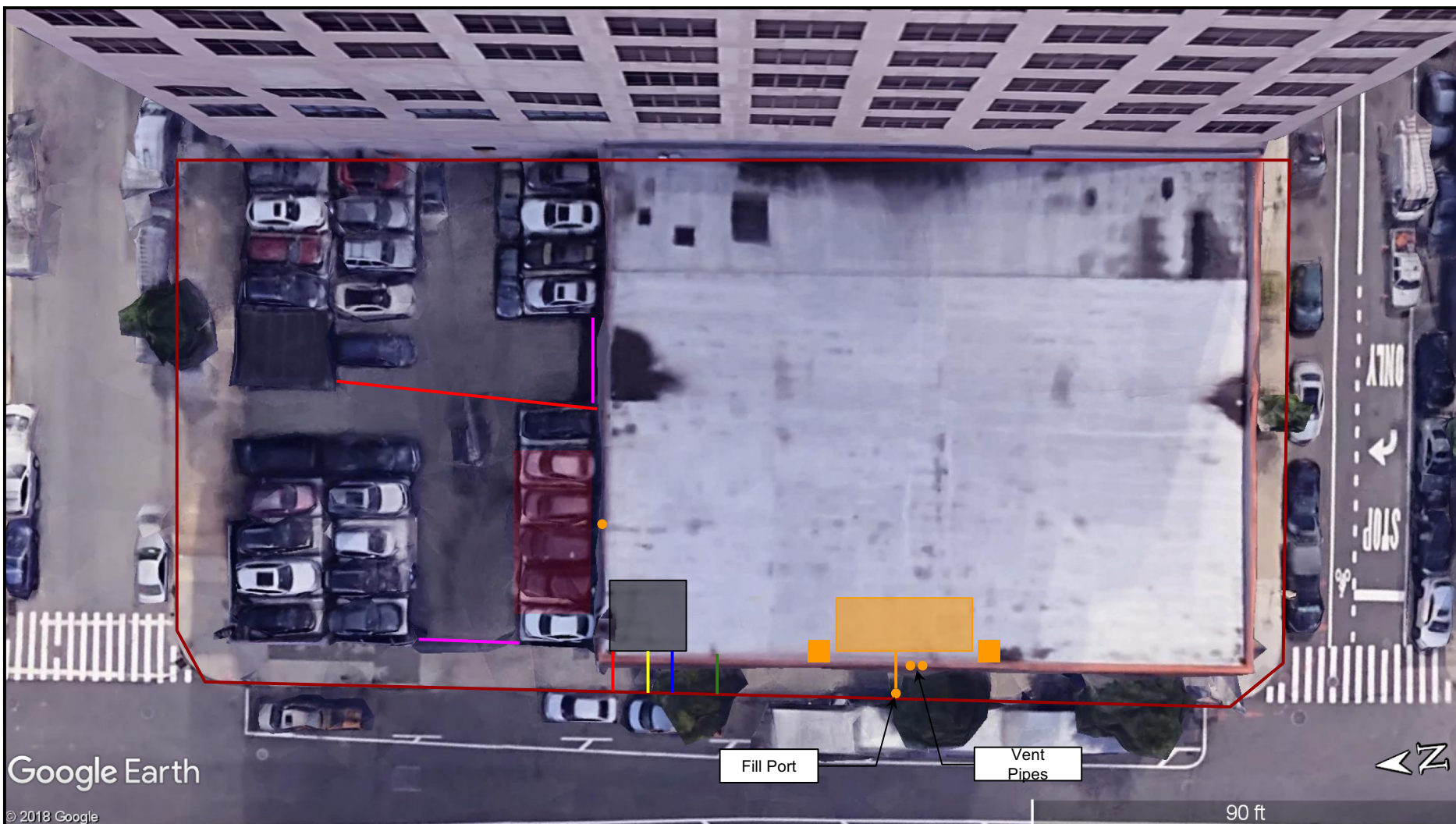
DATE: April 20, 2018













AUTH: Chris Steinley

**NOVA**  
**GEOPHYSICAL**  
**ENGINEERING**  
Subsurface Mapping Solutions

56-01 Marathon Parkway # 765  
Douglaston, New York 11362  
347-556-7787 (PHONE)  
718-261-1527 (FAX)  
[www.nova-gsi.com](http://www.nova-gsi.com)





| <div><div><div>NOVA</div><div>GEOPHYSICAL<br/>ENGINEERING</div><div>Subsurface Mapping Solutions</div></div><div><div>56-01 Marathon Parkway # 765</div><div>Douglaston, New York 11362</div><div>347-556-7787 (PHONE)</div><div>718-261-1527(FAX)</div><div>www.nova-gsi.com</div></div></div> | SURVEY PLAN |                                                                            | LEGEND                                                                                                |                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                    | SITE:       | <b>Commercial Site</b><br>551 Greenwich Street<br>New York, New York 10014 |  Survey Area     |  Suspected Tank (UST) Area |
|                                                                                                                                                                                                                                                                                                                                                                                    | CLIENT:     | Langan                                                                     |  Electric        |  Pump Island               |
|                                                                                                                                                                                                                                                                                                                                                                                    | DATE:       | April 20, 2018                                                             |  Gas             |  Partial Basement Area     |
|                                                                                                                                                                                                                                                                                                                                                                                    | AUTH:       | Chris Steinley                                                             |  Water           |  No Access /               |
|                                                                                                                                                                                                                                                                                                                                                                                    |             |                                                                            |  Sewer           |  Potential UST Area        |
|                                                                                                                                                                                                                                                                                                                                                                                    |             |                                                                            |  Unknown Utility |                                                                                                                 |



## GEOPHYSICAL IMAGES

### Commercial Site

551 Greenwich Street,  
New York, New York 10014  
April 20, 2018





## GEOPHYSICAL IMAGES

### Commercial Site

551 Greenwich Street,  
New York, New York 10014  
April 20, 2018

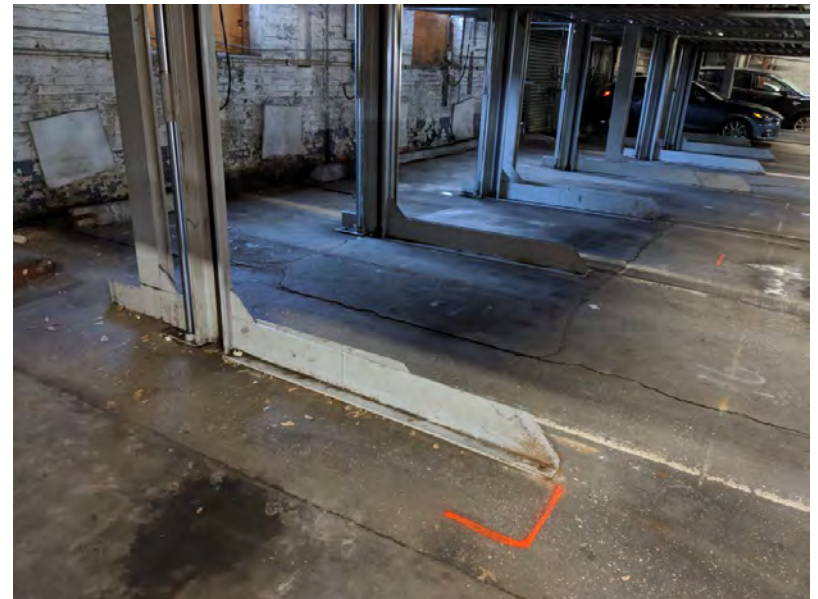




## GEOPHYSICAL IMAGES

### Commercial Site

551 Greenwich Street,  
New York, New York 10014  
April 20, 2018

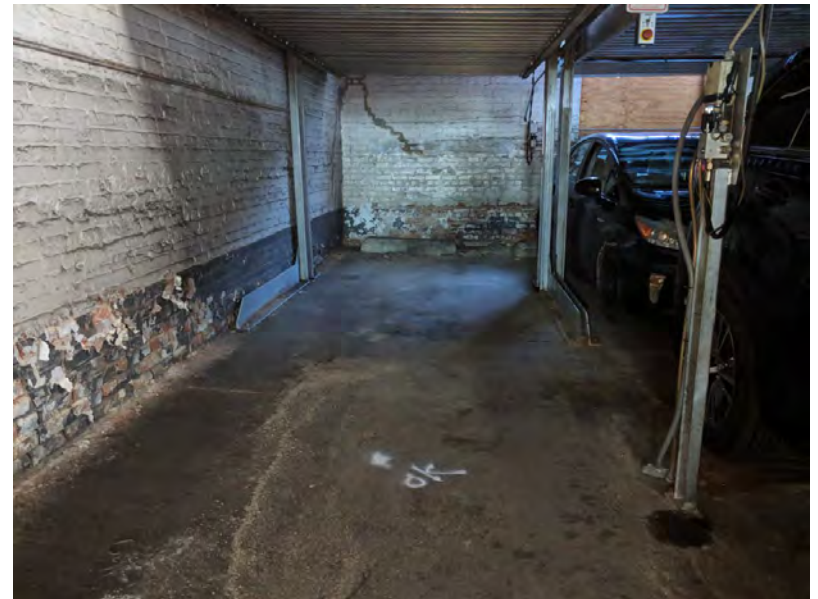
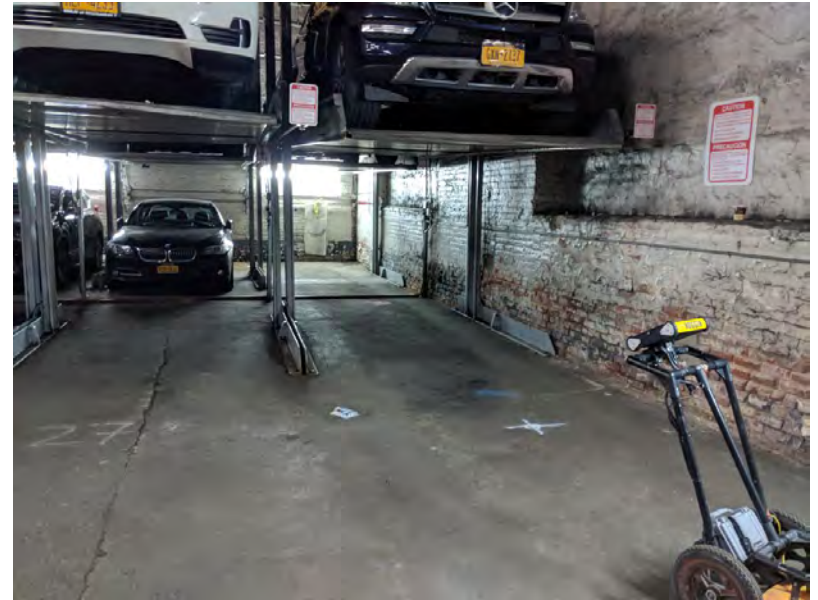




## GEOPHYSICAL IMAGES

### Commercial Site

551 Greenwich Street,  
New York, New York 10014  
April 20, 2018

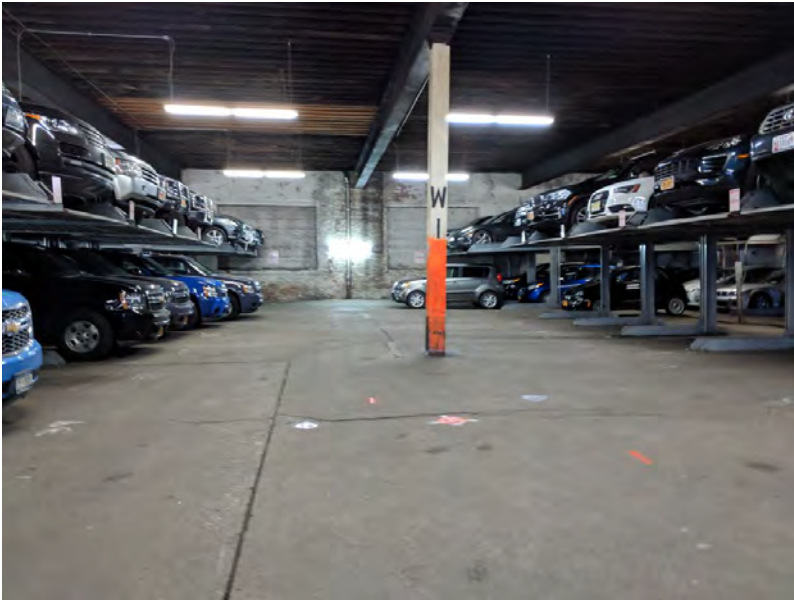




## GEOPHYSICAL IMAGES

### Commercial Site

551 Greenwich Street,  
New York, New York 10014  
April 20, 2018



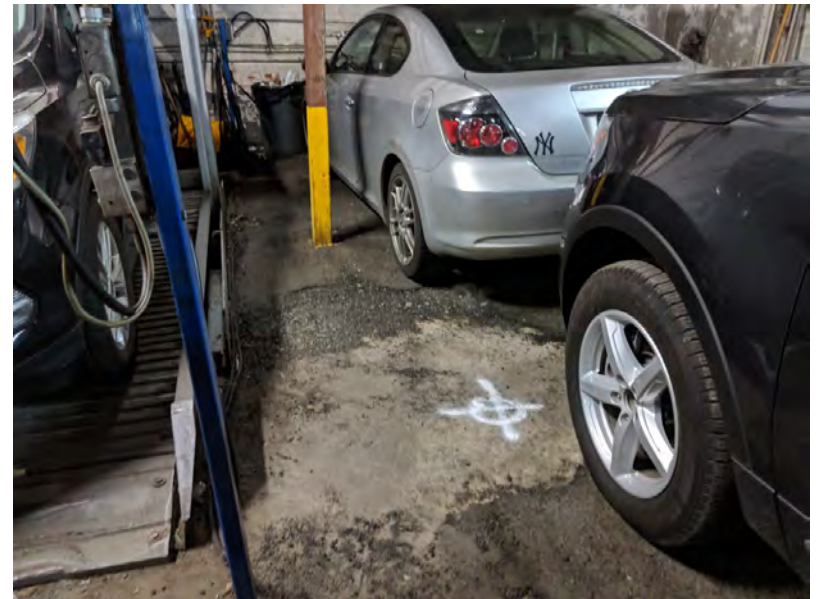


## GEOPHYSICAL IMAGES

### Commercial Site

551 Greenwich Street,  
New York, New York 10014

April 20, 2018

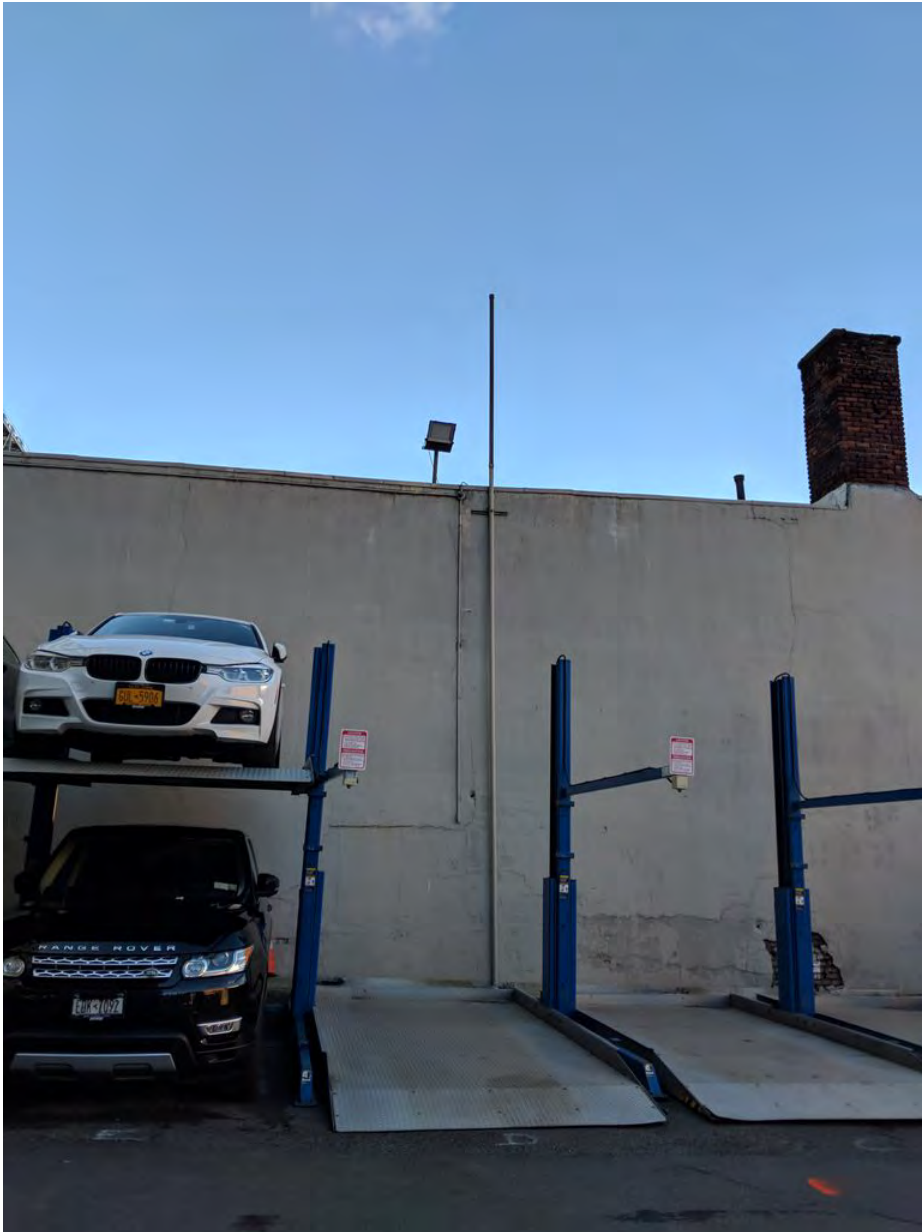




## **GEOPHYSICAL IMAGES**

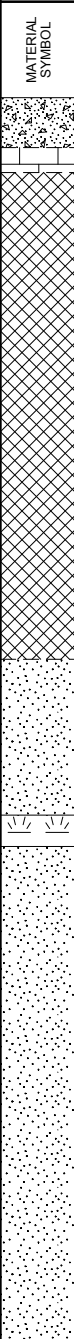
### **Commercial Site**

551 Greenwich Street,  
New York, New York 10014  
April 20, 2018



# **APPENDIX E**

## **SOIL BORING LOGS**

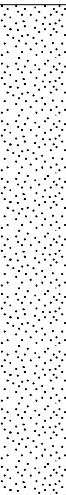

|                                                                                                               |                     |                                                                                                                |                                     |                                                                                                                                  |                 |                          |                       |                                 |                             |                                                                                     |
|---------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------|-----------------------|---------------------------------|-----------------------------|-------------------------------------------------------------------------------------|
| Project<br>551 Greenwich Street                                                                               |                     |                                                                                                                |                                     | Project No.<br>190043701                                                                                                         |                 |                          |                       |                                 |                             |                                                                                     |
| Location<br>New York, New York                                                                                |                     |                                                                                                                |                                     | Elevation and Datum<br>Approx. 11 feet NAVD88                                                                                    |                 |                          |                       |                                 |                             |                                                                                     |
| Drilling Company<br>AARCO Environmental Services, Corp.                                                       |                     |                                                                                                                |                                     | Date Started<br>4/24/18                                                                                                          |                 | Date Finished<br>4/24/18 |                       |                                 |                             |                                                                                     |
| Drilling Equipment<br>Geoprobe 7822 DT Drill Rig                                                              |                     |                                                                                                                |                                     | Completion Depth<br>20 ft                                                                                                        |                 | Rock Depth<br>N/A        |                       |                                 |                             |                                                                                     |
| Size and Type of Bit<br>2-Inch Steel Macrocore Cutting Shoe                                                   |                     |                                                                                                                |                                     | Number of Samples                                                                                                                | Disturbed<br>5  | Undisturbed<br>N/A       | Core<br>N/A           |                                 |                             |                                                                                     |
| Casing Diameter (in)<br>N/A                                                                                   |                     | Casing Depth (ft)<br>N/A                                                                                       | Water Level (ft.)<br>First<br>13    | Completion<br>N/A                                                                                                                | 24 HR.<br>N/A   |                          |                       |                                 |                             |                                                                                     |
| Casing Hammer<br>N/A                                                                                          | Weight (lbs)<br>N/A | Drop (in)<br>N/A                                                                                               | Drilling Foreman<br>Adam Hutchinson |                                                                                                                                  |                 |                          |                       |                                 |                             |                                                                                     |
| Sampler<br>2-Inch Diameter by 4-Foot Long Steel MC                                                            |                     |                                                                                                                | Field Engineer<br>Kyle Twombly      |                                                                                                                                  |                 |                          |                       |                                 |                             |                                                                                     |
| Sampler Hammer<br>N/A                                                                                         | Weight (lbs)<br>N/A | Drop (in)<br>N/A                                                                                               |                                     |                                                                                                                                  |                 |                          |                       |                                 |                             |                                                                                     |
| <div>MATERIAL SYMBOL</div>  | Elev. (ft)          | Sample Description                                                                                             |                                     | Depth Scale                                                                                                                      | Sample Data     |                          |                       |                                 |                             | Remarks<br>(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|                                                                                                               |                     |                                                                                                                |                                     | Number                                                                                                                           | Type            | Recov. (in)              | Penetr. resist BL/6in | PID Reading (ppm)               |                             |                                                                                     |
|                                                                                                               | +11.0               | (0-10") Pulverized asphalt and concrete                                                                        |                                     | 0                                                                                                                                | R1<br>MACROCORE | 32/48                    | NA                    | 0.0<br>0.0<br>0.0<br>0.0<br>0.0 | Collect EB-01_0-2 at 10:30. |                                                                                     |
|                                                                                                               | +10.2               | R1a (10-14") Red brick                                                                                         |                                     | 1                                                                                                                                |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               | +9.8                | R1b (14-32") Brown medium SAND, trace fine sand, trace red brick, trace asphalt (moist) [FILL]                 |                                     | 2                                                                                                                                |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                |                                     | 3                                                                                                                                |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                |                                     | 4                                                                                                                                |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     | R2 (0-16") Brown medium SAND, trace fine sand, trace red brick, trace rock fragments (moist) [FILL]            |                                     | 5                                                                                                                                | R2<br>MACROCORE | 16/48                    | NA                    | 0.0<br>0.0<br>0.0               |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                |                                     | 6                                                                                                                                |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                |                                     | 7                                                                                                                                |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     | R3a (0-12") Brown medium SAND, trace fine sand, trace rock fragments, trace red brick (moist) [FILL]           |                                     | 8                                                                                                                                | R3<br>MACROCORE | 48/48                    | NA                    | 0.0<br>0.0<br>0.0               |                             |                                                                                     |
|                                                                                                               | +2.0                | R3b (12-44") Greyish brown medium SAND, some fine sand, trace silt, trace weathered rock (mica flakes) (moist) |                                     | 9                                                                                                                                |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                |                                     | 10                                                                                                                               |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     | R3c (44-48") Dense, dark brown organic PEAT (moist)                                                            |                                     | 11                                                                                                                               | R4<br>MACROCORE | 48/48                    | NA                    | 0.0<br>0.0<br>0.0               |                             |                                                                                     |
|                                                                                                               | -0.5                | R4a (0-17") Greyish brown medium SAND, some silt, trace fine sand (wet)                                        |                                     | 12                                                                                                                               |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               | -1.0                | R4b (17-48") Grey fine SAND, some silt, trace medium sand (wet)                                                |                                     | 13                                                                                                                               |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                |                                     | 14                                                                                                                               | R5<br>MACROCORE | 48/48                    | NA                    | 0.0<br>0.0<br>0.0               |                             |                                                                                     |
|                                                                                                               |                     | R5 (0-48") Grey fine SAND, some silt, trace medium sand (wet)                                                  |                                     | 15                                                                                                                               |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                |                                     | 16                                                                                                                               |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                |                                     | 17                                                                                                                               |                 |                          |                       | 0.0<br>0.0<br>0.0<br>0.0        |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                | 18                                  |                                                                                                                                  |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                | 19                                  |                                                                                                                                  |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                | 20                                  |                                                                                                                                  |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                |                                     | Collect EB-01_14-16 at 10:45.                                                                                                    |                 |                          |                       |                                 |                             |                                                                                     |
|                                                                                                               |                     |                                                                                                                |                                     | End of boring at 20'. Bottom of borehole backfilled with #2 sand to 6' to construct SV01. See SV01 construction log for details. |                 |                          |                       |                                 |                             |                                                                                     |

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# LANGAN

Log of Boring **EB-02** Sheet 2 of 2

|                                                                                   |            |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------|-----------|-------------|------------------------|-------------------|-------------------------------------------------------------------------------------|----|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project                                                                           |            |                                                                                    | Project No.            |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
| 551 Greenwich Street                                                              |            |                                                                                    | 190043701              |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
| Location                                                                          |            |                                                                                    | Elevation and Datum    |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
| New York, New York                                                                |            |                                                                                    | Approx. 11 feet NAVD88 |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
| MATERIAL SYMBOL                                                                   | Elev. (ft) | Sample Description                                                                 | Depth Scale            | Sample Data                                                     |           |             |                        |                   | Remarks<br>(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |    |    |                                                                                                                                                                                           |
|                                                                                   |            |                                                                                    |                        | Number                                                          | Type      | Recov. (in) | Penetr. resist. BL/6in | PID Reading (ppm) |                                                                                     |    |    |                                                                                                                                                                                           |
|  | -9.0       | R6a (0-24") Grey fine SAND, some silt, trace medium sand (wet)                     | 20                     | R6                                                              | MACROCORE | 48/48       | NA                     | 800               | Collect EB-02_26-28 at 13:25                                                        |    |    |                                                                                                                                                                                           |
|                                                                                   |            |                                                                                    | 21                     |                                                                 |           |             |                        | 300               |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   |            |                                                                                    | 22                     |                                                                 |           |             |                        | 250               |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   |            | R6b (24-48") Greyish brown medium SAND, trace fine sand, trace silt (wet)          | 23                     |                                                                 |           |             |                        | 500               |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   |            |                                                                                    | 24                     |                                                                 |           |             |                        | 300               |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   |            |                                                                                    | 25                     | 110                                                             |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   |            |  | -17.0                  | R7 (0-48") Brown medium SAND, trace fine sand, trace silt (wet) | 26        | R7          | MACROCORE              | 48/48             |                                                                                     | NA | 80 | End of boring at 28'. Install MW02 at 10'. See MW02 well construction log for details. Soil cuttings were drummed due to observed impacts. Borehole was backfilled with #2 sand to grade. |
|                                                                                   |            |                                                                                    |                        |                                                                 | 27        |             |                        |                   |                                                                                     |    | 25 |                                                                                                                                                                                           |
|                                                                                   |            |                                                                                    |                        |                                                                 | 28        |             |                        |                   |                                                                                     |    | 30 |                                                                                                                                                                                           |
|                                                                                   |            |                                                                                    |                        |                                                                 | 29        |             |                        |                   |                                                                                     |    | 20 |                                                                                                                                                                                           |
|                                                                                   | 30         |                                                                                    |                        | 8                                                               |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 31         |                                                                                    |                        | 10                                                              |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 32         |                                                                                    |                        | 13                                                              |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 33         |                                                                                    |                        | 15                                                              |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 34         |                                                                                    |                        | 17                                                              |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 35         |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 36         |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 37         |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 38         |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 39         |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 40         |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 41         |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 42         |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 43         |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 44         |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |
|                                                                                   | 45         |                                                                                    |                        |                                                                 |           |             |                        |                   |                                                                                     |    |    |                                                                                                                                                                                           |

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|                      |            |                                                                                                          |                        |             |           |             |                        |                                        |                                                                                                                                                                                               |
|----------------------|------------|----------------------------------------------------------------------------------------------------------|------------------------|-------------|-----------|-------------|------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project              |            |                                                                                                          | Project No.            |             |           |             |                        |                                        |                                                                                                                                                                                               |
| 551 Greenwich Street |            |                                                                                                          | 190043701              |             |           |             |                        |                                        |                                                                                                                                                                                               |
| Location             |            |                                                                                                          | Elevation and Datum    |             |           |             |                        |                                        |                                                                                                                                                                                               |
| New York, New York   |            |                                                                                                          | Approx. 11 feet NAVD88 |             |           |             |                        |                                        |                                                                                                                                                                                               |
| MATERIAL SYMBOL      | Elev. (ft) | Sample Description                                                                                       | Depth Scale            | Sample Data |           |             |                        |                                        | Remarks<br>(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)                                                                                                           |
|                      |            |                                                                                                          |                        | Number      | Type      | Recov. (in) | Penetr. resist. BL/6in | PID Reading (ppm)                      |                                                                                                                                                                                               |
|                      | -9.0       | R6a (0-16") Brown fine SAND, some silt (wet)<br><br>R6b (16-39") Grey medium SAND, trace fine sand (wet) | 20                     | R6          | MACROCORE | 39/48       | NA                     | 0.8<br>1.3<br>1.0<br>0.2<br>0.2<br>0.1 | Collect EB-03_23-24 at 13:40                                                                                                                                                                  |
|                      | 21         |                                                                                                          |                        |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      | 22         |                                                                                                          |                        |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      | 23         |                                                                                                          |                        |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      | 24         |                                                                                                          |                        |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      | -13.0      |                                                                                                          | 24                     |             |           |             |                        |                                        | End of boring at 24'. Install MW03 at 11'. See MW03 well construction log for details. Soil cuttings were drummed due to observed impacts. The borehole was backfilled with #2 sand to grade. |
|                      |            |                                                                                                          | 25                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 26                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 27                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 28                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 29                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 30                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 31                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 32                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 33                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 34                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 35                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 36                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 37                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 38                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 39                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 40                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 41                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 42                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 43                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 44                     |             |           |             |                        |                                        |                                                                                                                                                                                               |
|                      |            |                                                                                                          | 45                     |             |           |             |                        |                                        |                                                                                                                                                                                               |

|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|-------------------------------------------------------------|----------------------------------------|-------------------------------|--|-------------------------------------------------|-------------------|-------------------------------------|-------------|----------------------|-------------------------------------------------------------------------------------------------|-------------------|-----|----------------------------|--|--|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project<br>551 Greenwich Street                             |                                        |                               |  | Project No.<br>190043701                        |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
| Location<br>New York, New York                              |                                        |                               |  | Elevation and Datum<br>Approx. 12.5 feet NAVD88 |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
| Drilling Company<br>AARCO Environmental Services, Corp.     |                                        |                               |  | Date Started<br>4/23/18                         |                   | Date Finished<br>4/23/18            |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
| Drilling Equipment<br>Geoprobe 7822 DT Drill Rig            |                                        |                               |  | Completion Depth<br>20 ft                       |                   | Rock Depth<br>N/A                   |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
| Size and Type of Bit<br>2-Inch Steel Macrocore Cutting Shoe |                                        |                               |  | Number of Samples                               | Disturbed<br>5    | Undisturbed<br>N/A                  | Core<br>N/A |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
| Casing Diameter (in)<br>N/A                                 |                                        | Casing Depth (ft)<br>N/A      |  | Water Level (ft.)<br>First<br>13.5              | Completion<br>N/A | 24 HR.<br>N/A                       | N/A         |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
| Casing Hammer<br>N/A                                        |                                        | Weight (lbs)<br>N/A           |  | Drop (in)<br>N/A                                |                   | Drilling Foreman<br>Adam Hutchinson |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
| Sampler<br>2-Inch Diameter by 4-Foot Long Steel MC          |                                        |                               |  | Field Engineer<br>Kyle Twombly                  |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
| Sampler Hammer<br>N/A                                       |                                        | Weight (lbs)<br>N/A           |  | Drop (in)<br>N/A                                |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
| <div>MATERIAL SYMBOL</div>                                  | <div>Elev. (ft)</div> <div>+12.5</div> | <div>Sample Description</div> |  | <div>Depth Scale</div>                          | Sample Data       |                                     |             |                      | <div>Remarks<br/>(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)</div> |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 | Number            | Type                                | Recov. (in) | Penetr. resist BL/in |                                                                                                 | PID Reading (ppm) |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | R1                                  | MACROCORE   | 23/48                |                                                                                                 | NA                | 0.0 | Collect EB-04_0-1 at 9:30. |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   | 0.0 |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   | 0.0 |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | R2                                  | MACROCORE   | 16/48                |                                                                                                 | NA                |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | R3                                  | MACROCORE   | 26/48                |                                                                                                 | NA                | 0.0 |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   | 0.0 |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   | 0.0 |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   | 0.0 |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | R4                                  | MACROCORE   | 35/48                |                                                                                                 | NA                | 0.0 |                            |  |  | Collect EB-04_15-16 at 9:40. |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   | 0.0 |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   | 0.0 |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   | 0.0 |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | R5                                  | MACROCORE   | 33/48                |                                                                                                 | NA                | 0.0 |                            |  |  |                              | End of boring at 20'. MW04 installed at 10'. See MW04 well construction log for details. Clean soil cuttings and #2 sand were used to backfill to grade. |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   | 0.0 |                            |  |  |                              |                                                                                                                                                          |
|                                                             | 0.0                                    |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             | 0.0                                    |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   | 0.0                                 |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |
|                                                             |                                        |                               |  |                                                 |                   |                                     |             |                      |                                                                                                 |                   |     |                            |  |  |                              |                                                                                                                                                          |

Collect EB-04\_15-16 at 9:40.

End of boring at 20'. MW04 installed at 10'. See MW04 well construction log for details. Clean soil cuttings and #2 sand were used to backfill to grade.



|                                                             |  |                          |  |                                               |  |                                |  |
|-------------------------------------------------------------|--|--------------------------|--|-----------------------------------------------|--|--------------------------------|--|
| Project<br>551 Greenwich Street                             |  |                          |  | Project No.<br>190043701                      |  |                                |  |
| Location<br>New York, New York                              |  |                          |  | Elevation and Datum<br>Approx. 11 feet NAVD88 |  |                                |  |
| Drilling Company<br>AARCO Environmental Services, Corp.     |  |                          |  | Date Started<br>4/25/18                       |  | Date Finished<br>4/25/18       |  |
| Drilling Equipment<br>Geoprobe 7822 DT Drill Rig            |  |                          |  | Completion Depth<br>24 ft                     |  | Rock Depth<br>N/A              |  |
| Size and Type of Bit<br>2-Inch Steel Macrocore Cutting Shoe |  |                          |  | Number of Samples<br>6                        |  | Undisturbed<br>N/A             |  |
| Casing Diameter (in)<br>N/A                                 |  | Casing Depth (ft)<br>N/A |  | Water Level (ft.)<br>First 12                 |  | Completion<br>N/A              |  |
| Casing Hammer<br>N/A                                        |  | Weight (lbs)<br>N/A      |  | Drop (in)<br>N/A                              |  | 24 HR.<br>N/A                  |  |
| Sampler<br>2-Inch Diameter by 4-Foot Long Steel MC          |  |                          |  | Drilling Foreman<br>Adam Hutchinson           |  |                                |  |
| Sampler Hammer<br>N/A                                       |  | Weight (lbs)<br>N/A      |  | Drop (in)<br>N/A                              |  | Field Engineer<br>Kyle Twombly |  |

| MATERIAL SYMBOL                                                                         | Elev. (ft)                                                  | Sample Description                                  | Depth Scale                                                                                      | Sample Data                                                   |           |             |                      |                                          | Remarks<br>(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |                                                                                               |                              |    |           |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------|-------------|----------------------|------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------|----|-----------|
|                                                                                         |                                                             |                                                     |                                                                                                  | Number                                                        | Type      | Recov. (in) | Penetr. resist BL/in | PID Reading (ppm)                        |                                                                                     |                                                                                               |                              |    |           |
|                                                                                         | +11.0                                                       | (0-6") Pulverized concrete                          | 0                                                                                                | R1                                                            | MACROCORE | 26/48       | NA                   | 0.0<br>0.0<br>0.0<br>0.0                 | Collect EB-05_0-2 at 7:00.                                                          |                                                                                               |                              |    |           |
|                                                                                         |                                                             | +10.5                                               | R1 (6-26") Brown medium SAND, some red brick, trace fine sand (dry) [FILL]                       |                                                               |           |             |                      |                                          |                                                                                     | 1                                                                                             | 2                            | 3  | 4         |
|                                                                                         |                                                             |                                                     | R2 (0-30") Brown medium SAND, some red brick, trace fine sand, trace rock fragments (dry) [FILL] |                                                               |           |             |                      |                                          |                                                                                     | 5                                                                                             | 6                            | 7  | 8         |
|                                                                                         |                                                             |                                                     |                                                                                                  |                                                               |           |             |                      |                                          |                                                                                     | R3a (0-8") Brown medium SAND, trace fine sand, trace red brick, trace concrete (moist) [FILL] | 9                            | R3 | MACROCORE |
| R3b (8-31") Greyish to black fine sand, trace medium sand, trace organic fibers (moist) | 10                                                          |                                                     |                                                                                                  | 11                                                            |           |             |                      |                                          |                                                                                     |                                                                                               |                              |    |           |
|                                                                                         | +1.0                                                        |                                                     |                                                                                                  | R4 (0-12") Grey fine SAND, some silt, trace medium sand (wet) | 12        | R4          | MACROCORE            | 12/48                                    | NA                                                                                  | 103<br>86                                                                                     | Collect EB-05_13-15 at 8:10. |    |           |
|                                                                                         | R5a (0-14") Greyish brown medium SAND, some fine sand (wet) | 13                                                  |                                                                                                  | 14                                                            | 15        |             |                      |                                          |                                                                                     |                                                                                               |                              | 16 |           |
|                                                                                         |                                                             | R5b (14-26") Dark grey fine SAND (wet)              | 17                                                                                               | R5                                                            | MACROCORE | 48/48       | NA                   | 101<br>125<br>80<br>30<br>22<br>13<br>22 |                                                                                     |                                                                                               |                              |    |           |
|                                                                                         |                                                             | R5c (26-34") Light grey fine SAND, trace silt (wet) | 18                                                                                               |                                                               |           |             |                      |                                          | 19                                                                                  | 20                                                                                            |                              |    |           |
| R5d (34-48") Greyish brown medium SAND, trace fine sand (wet)                           |                                                             | 20                                                  |                                                                                                  |                                                               |           |             |                      |                                          |                                                                                     |                                                                                               |                              |    |           |

\\LANGAN.COM\DATA\WP\DATA\7190043701\PROJECT DATA\_DISCIPLINE\ENVIRONMENTAL\REPORTS\RI\APPENDICES\APPENDIX E - SOIL BORING LOGS\GINT SUPPORT\RI BORINGS.GPJ ... 6/5/2018 1:56:36 PM ... Report: Log - LANGAN

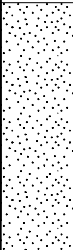



|                      |            |                                                              |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|----------------------|------------|--------------------------------------------------------------|------------------------|-------------|-----------|-------------|-----------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project              |            |                                                              | Project No.            |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
| 551 Greenwich Street |            |                                                              | 190043701              |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
| Location             |            |                                                              | Elevation and Datum    |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
| New York, New York   |            |                                                              | Approx. 11 feet NAVD88 |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
| MATERIAL SYMBOL      | Elev. (ft) | Sample Description                                           | Depth Scale            | Sample Data |           |             |                       |                   | Remarks<br>(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)                                                                                                                                                     |
|                      |            |                                                              |                        | Number      | Type      | Recov. (in) | Penetr. resist BL/6in | PID Reading (ppm) |                                                                                                                                                                                                                                         |
|                      | -9.0       | R6a (0-18") Greyish brown medium SAND, trace fine sand (wet) | 20                     | R6          | MACROCORE | 48/48       | NA                    | 15                | Collect EB-05_22-24 at 7:20.                                                                                                                                                                                                            |
|                      |            |                                                              | 21                     |             |           |             |                       | 10                |                                                                                                                                                                                                                                         |
|                      |            |                                                              | 22                     |             |           |             |                       | 3.0               |                                                                                                                                                                                                                                         |
|                      |            |                                                              | 23                     |             |           |             |                       | 2.5               |                                                                                                                                                                                                                                         |
|                      |            |                                                              | 24                     |             |           |             |                       | 2.0               |                                                                                                                                                                                                                                         |
|                      |            |                                                              | 25                     |             |           |             |                       | 1.9               |                                                                                                                                                                                                                                         |
|                      |            |                                                              | 26                     |             |           |             |                       | 1.7               |                                                                                                                                                                                                                                         |
|                      |            |                                                              | 27                     |             |           |             |                       | 1.9               |                                                                                                                                                                                                                                         |
|                      | -13.0      | R6b (18-48") Greyish brown fine SAND, some silt (wet)        | 28                     |             |           |             |                       |                   | End of boring at 24'. Bottom of borehole backfilled with #2 sand to 6' to construct SV05. See SV05 construction log for details. Soil cuttings were drummed due to observed impacts. The borehole was backfilled with #2 sand to grade. |
|                      |            | 29                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 30                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 31                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 32                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 33                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 34                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 35                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 36                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 37                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 38                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 39                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 40                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 41                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 42                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 43                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 44                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |
|                      |            | 45                                                           |                        |             |           |             |                       |                   |                                                                                                                                                                                                                                         |





|                                         |               |                                                                                                                                                                                                           |  |                   |  |                        |             |           |                |                            |                         |                                                                                            |  |
|-----------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|------------------------|-------------|-----------|----------------|----------------------------|-------------------------|--------------------------------------------------------------------------------------------|--|
| Project                                 |               |                                                                                                                                                                                                           |  |                   |  | Project No.            |             |           |                |                            |                         |                                                                                            |  |
| Location                                |               |                                                                                                                                                                                                           |  |                   |  | Elevation and Datum    |             |           |                |                            |                         |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | Approx. 11 feet NAVD88 |             |           |                |                            |                         |                                                                                            |  |
| Drilling Company                        |               |                                                                                                                                                                                                           |  |                   |  | Date Started           |             |           |                | Date Finished              |                         |                                                                                            |  |
| AARCO Environmental Services, Corp.     |               |                                                                                                                                                                                                           |  |                   |  | 4/24/18                |             |           |                | 4/24/18                    |                         |                                                                                            |  |
| Drilling Equipment                      |               |                                                                                                                                                                                                           |  |                   |  | Completion Depth       |             |           |                | Rock Depth                 |                         |                                                                                            |  |
| Geoprobe 7822 DT Drill Rig              |               |                                                                                                                                                                                                           |  |                   |  | 24 ft                  |             |           |                | N/A                        |                         |                                                                                            |  |
| Size and Type of Bit                    |               |                                                                                                                                                                                                           |  |                   |  | Number of Samples      |             | Disturbed |                | Undisturbed                |                         | Core                                                                                       |  |
| 2-Inch Steel Macrocore Cutting Shoe     |               |                                                                                                                                                                                                           |  |                   |  |                        |             | 6         |                | N/A                        |                         | N/A                                                                                        |  |
| Casing Diameter (in)                    |               |                                                                                                                                                                                                           |  | Casing Depth (ft) |  | Water Level (ft.)      |             | First     |                | Completion                 |                         | 24 HR.                                                                                     |  |
| N/A                                     |               |                                                                                                                                                                                                           |  | N/A               |  |                        |             | 13        |                | N/A                        |                         | N/A                                                                                        |  |
| Casing Hammer                           |               | Weight (lbs)                                                                                                                                                                                              |  | Drop (in)         |  | Drilling Foreman       |             |           |                |                            |                         |                                                                                            |  |
| N/A                                     |               | N/A                                                                                                                                                                                                       |  | N/A               |  | Adam Hutchinson        |             |           |                |                            |                         |                                                                                            |  |
| Sampler                                 |               |                                                                                                                                                                                                           |  |                   |  | Field Engineer         |             |           |                |                            |                         |                                                                                            |  |
| 2-Inch Diameter by 4-Foot Long Steel MC |               |                                                                                                                                                                                                           |  |                   |  | Kyle Twombly           |             |           |                |                            |                         |                                                                                            |  |
| Sampler Hammer                          |               | Weight (lbs)                                                                                                                                                                                              |  | Drop (in)         |  |                        |             |           |                |                            |                         |                                                                                            |  |
| N/A                                     |               | N/A                                                                                                                                                                                                       |  | N/A               |  |                        |             |           |                |                            |                         |                                                                                            |  |
| MATERIAL SYMBOL                         | Elev.<br>(ft) | Sample Description                                                                                                                                                                                        |  |                   |  | Depth<br>Scale         | Sample Data |           |                |                            |                         | Remarks<br><br>(Drilling Fluid, Depth of Casing,<br>Fluid Loss, Drilling Resistance, etc.) |  |
|                                         | +11.0         |                                                                                                                                                                                                           |  |                   |  |                        | Number      | Type      | Recov.<br>(in) | Penetr:<br>resist<br>BL/in | PID<br>Reading<br>(ppm) |                                                                                            |  |
|                                         | +10.7         | (0-2") Pulverized concrete                                                                                                                                                                                |  |                   |  | 0                      |             |           |                |                            |                         |                                                                                            |  |
|                                         |               | R1 (0-16") Light brown medium SAND, trace fine sand,<br>trace red brick, trace coal ash (dry) [FILL]                                                                                                      |  |                   |  | 1                      | R1          | MACROCORE | 18/48          | NA                         | 0.0                     | Collect EB-06_0-2 at 7:45.                                                                 |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 2                      |             |           |                |                            | 0.0                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 3                      |             |           |                |                            | 0.0                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 4                      |             |           |                |                            |                         |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 5                      | R2          | MACROCORE | 22/48          | NA                         |                         |                                                                                            |  |
|                                         |               | R2a (0-18") Light brown medium SAND, trace fine sand,<br>trace red brick, trace coal ash (moist) [FILL]                                                                                                   |  |                   |  | 6                      |             |           |                |                            | 0.0                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 7                      |             |           |                |                            | 2.3                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 8                      |             |           |                |                            | 7.4                     |                                                                                            |  |
|                                         | +3.0          | R2b (18-22") Coal, coal ash (dry) [FILL]<br>R3a (0-21") Grey medium SAND, trace fine sand (moist)                                                                                                         |  |                   |  | 9                      |             |           |                |                            |                         |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 10                     | R3          | MACROCORE | 32/48          | NA                         | 210                     | Gasoline-like odors observed                                                               |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 11                     |             |           |                |                            | 170                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 12                     |             |           |                |                            | 170                     |                                                                                            |  |
|                                         |               | R3b (21-29") Grey fine SAND, trace medium sand, trace silt (moist)<br>R3c (29-32") Dark brown fine SAND, trace organic fibers (moist)<br>R4a (0-32") Brown fine SAND, trace medium sand, trace silt (wet) |  |                   |  | 13                     |             |           |                |                            | 250                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 14                     | R4          | MACROCORE | 48/48          | NA                         | 280                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 15                     |             |           |                |                            | 295                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 16                     |             |           |                |                            | 350                     |                                                                                            |  |
|                                         |               | R4b (32-48") Grey medium SAND, some fine sand, trace silt (wet)<br>R5a (0-20") Grey medium SAND, some fine sand, trace silt (wet)                                                                         |  |                   |  | 17                     |             |           |                |                            | 1400                    | Collect EB-06_13-15 at 8:35<br>and DUP01_042418 at 12:00                                   |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 18                     | R5          | MACROCORE | 48/48          | NA                         | 1550                    |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 19                     |             |           |                |                            | 225                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 20                     |             |           |                |                            | 121                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 21                     |             |           |                |                            | 33                      |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 22                     |             |           |                |                            | 167                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 23                     |             |           |                |                            | 670                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 24                     |             |           |                |                            | 175                     |                                                                                            |  |
|                                         |               | R5b (20-33") Grey fine SAND, trace medium sand, trace silt (wet)<br>R5c (33-48") Brown medium SAND, trace fine sand, trace silt (wet)                                                                     |  |                   |  | 25                     |             |           |                |                            | 160                     | Gasoline-like odors observed                                                               |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 26                     |             |           |                |                            | 162                     |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 27                     |             |           |                |                            | 80                      |                                                                                            |  |
|                                         |               |                                                                                                                                                                                                           |  |                   |  | 28                     |             |           |                |                            | 50                      |                                                                                            |  |

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|                                                                                    |               |                                                                |                                               |             |           |                |                             |                         |                                                                                                                                                                                           |
|------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------|-----------------------------------------------|-------------|-----------|----------------|-----------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project<br>551 Greenwich Street                                                    |               |                                                                | Project No.<br>190043701                      |             |           |                |                             |                         |                                                                                                                                                                                           |
| Location<br>New York, New York                                                     |               |                                                                | Elevation and Datum<br>Approx. 11 feet NAVD88 |             |           |                |                             |                         |                                                                                                                                                                                           |
| MATERIAL<br>SYMBOL                                                                 | Elev.<br>(ft) | Sample Description                                             | Depth<br>Scale                                | Sample Data |           |                |                             |                         | Remarks<br>(Drilling Fluid, Depth of Casing,<br>Fluid Loss, Drilling Resistance, etc.)                                                                                                    |
|                                                                                    |               |                                                                |                                               | Number      | Type      | Recov.<br>(in) | Penetr.<br>resist<br>BL/6in | PID<br>Reading<br>(ppm) |                                                                                                                                                                                           |
|   | -9.0          | R6a (0-24") Grey fine SAND, some silt, trace medium sand (wet) | 20                                            | R6          | MACROCORE | 48/48          | NA                          | 75                      | Collect EB-06_22-24 at 8:45.                                                                                                                                                              |
|                                                                                    |               |                                                                | 21                                            |             |           |                |                             | 80                      |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 22                                            |             |           |                |                             | 50                      |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 23                                            |             |           |                |                             | 33                      |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 24                                            |             |           |                |                             | 16.2                    |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 25                                            |             |           |                |                             | 1.9                     |                                                                                                                                                                                           |
|  | -13.0         | R6b (24-48") Brown medium SAND, trace fine sand (wet)          | 26                                            |             |           |                |                             | 1.5                     | End of boring at 24'. Install MW06 at 10'. See MW06 well construction log for details. Soil cuttings were drummed due to observed impacts. Borehole was backfilled with #2 sand to grade. |
|                                                                                    |               |                                                                | 27                                            |             |           |                |                             | 2.5                     |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 28                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 29                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 30                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 31                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 32                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 33                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 34                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 35                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 36                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 37                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 38                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 39                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 40                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 41                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 42                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 43                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 44                                            |             |           |                |                             |                         |                                                                                                                                                                                           |
|                                                                                    |               |                                                                | 45                                            |             |           |                |                             |                         |                                                                                                                                                                                           |

|                                                             |  |                          |  |                                               |  |                          |  |
|-------------------------------------------------------------|--|--------------------------|--|-----------------------------------------------|--|--------------------------|--|
| Project<br>551 Greenwich Street                             |  |                          |  | Project No.<br>190043701                      |  |                          |  |
| Location<br>New York, New York                              |  |                          |  | Elevation and Datum<br>Approx. 13 feet NAVD88 |  |                          |  |
| Drilling Company<br>AARCO Environmental Services, Corp.     |  |                          |  | Date Started<br>4/23/18                       |  | Date Finished<br>4/23/18 |  |
| Drilling Equipment<br>Geoprobe 7822 DT Drill Rig            |  |                          |  | Completion Depth<br>16 ft                     |  | Rock Depth<br>N/A        |  |
| Size and Type of Bit<br>2-Inch Steel Macrocore Cutting Shoe |  |                          |  | Number of Samples<br>4                        |  | Undisturbed<br>N/A       |  |
| Casing Diameter (in)<br>N/A                                 |  | Casing Depth (ft)<br>N/A |  | Water Level (ft.)<br>First<br>14.5            |  | Completion<br>N/A        |  |
| Casing Hammer<br>N/A                                        |  | Weight (lbs)<br>N/A      |  | Drop (in)<br>N/A                              |  | 24 HR.<br>N/A            |  |
| Sampler<br>2-Inch Diameter by 4-Foot Long Steel MC          |  |                          |  | Drilling Foreman<br>Adam Hutchinson           |  |                          |  |
| Sampler Hammer<br>N/A                                       |  |                          |  | Field Engineer<br>Kyle Twombly                |  |                          |  |

| MATERIAL SYMBOL                                                                     | Elev. (ft) | Sample Description                                                                                         | Depth Scale | Sample Data |           |             |                      |                   | Remarks<br>(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)                                                                                              |
|-------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------|-------------|-------------|-----------|-------------|----------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                     |            |                                                                                                            |             | Number      | Type      | Recov. (in) | Penetr. resist BL/in | PID Reading (ppm) |                                                                                                                                                                                  |
|   | +13.0      | R1a (0-10") Black medium SAND, trace fine sand, trace asphalt, trace red brick (dry) [FILL]                | 0           | R1          | MACROCORE | 24/48       | NA                   | 0.0               | Collect EB-07_1-2 at 10:35.                                                                                                                                                      |
|                                                                                     |            | R1b (10-24") Light brown medium SAND, some red brick, trace fine sand, trace rock fragments (moist) [FILL] | 1           |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|                                                                                     |            |                                                                                                            | 2           |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|                                                                                     |            |                                                                                                            | 3           |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|  | +6.0       | R2a (0-10") Light brown medium SAND, trace red brick, trace fine sand, trace asphalt (moist) [FILL]        | 4           | R2          | MACROCORE | 21/48       | NA                   | 0.0               |                                                                                                                                                                                  |
|                                                                                     |            | R2b (10-21") Red brick [FILL]                                                                              | 5           |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|                                                                                     |            |                                                                                                            | 6           |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|                                                                                     |            |                                                                                                            | 7           |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|  | +5.0       | R3a (0-23") Light brown medium SAND, trace fine sand, trace red brick, trace rock fragments (moist) [FILL] | 8           | R3          | MACROCORE | 26/48       | NA                   | 0.0               | Collect EB-07_14-15 at 11:10.                                                                                                                                                    |
|                                                                                     |            | R3b (23-26") Greyish brown fine SAND, trace silt (moist) [FILL]                                            | 9           |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|                                                                                     |            | R4a (0-12") Light brown medium SAND, trace fine sand, trace red brick, trace rock fragments (wet) [FILL]   | 10          |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|                                                                                     |            | R4b (12-21") Grey fine SAND, trace silt (wet)                                                              | 11          |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|                                                                                     | 0.0        |                                                                                                            | 12          | R4          | MACROCORE | 43/48       | NA                   | 0.0               |                                                                                                                                                                                  |
|                                                                                     |            | R4c (21-33") Brown fine SAND, trace organic fibers (moist)                                                 | 13          |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|                                                                                     |            | R4d (33-48") Grey fine SAND, trace silt, trace clay (wet)                                                  | 14          |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|                                                                                     |            |                                                                                                            | 15          |             |           |             |                      | 0.0               |                                                                                                                                                                                  |
|  | -3.0       |                                                                                                            | 16          |             |           |             |                      | 0.0               | End of boring at 16'. Bottom of borehole backfilled with #2 sand to 12' to construct SV07. See SV07 construction log for details. Borehole was backfilled with #2 sand to grade. |
|                                                                                     |            |                                                                                                            | 17          |             |           |             |                      |                   |                                                                                                                                                                                  |
|                                                                                     |            |                                                                                                            | 18          |             |           |             |                      |                   |                                                                                                                                                                                  |
|                                                                                     |            |                                                                                                            | 19          |             |           |             |                      |                   |                                                                                                                                                                                  |
|                                                                                     |            |                                                                                                            | 20          |             |           |             |                      |                   |                                                                                                                                                                                  |

|                                                             |  |                          |  |                                               |  |                          |  |
|-------------------------------------------------------------|--|--------------------------|--|-----------------------------------------------|--|--------------------------|--|
| Project<br>551 Greenwich Street                             |  |                          |  | Project No.<br>190043701                      |  |                          |  |
| Location<br>New York, New York                              |  |                          |  | Elevation and Datum<br>Approx. 11 feet NAVD88 |  |                          |  |
| Drilling Company<br>AARCO Environmental Services, Corp.     |  |                          |  | Date Started<br>4/24/18                       |  | Date Finished<br>4/24/18 |  |
| Drilling Equipment<br>Geoprobe 7822 DT Drill Rig            |  |                          |  | Completion Depth<br>16 ft                     |  | Rock Depth<br>N/A        |  |
| Size and Type of Bit<br>2-Inch Steel Macrocore Cutting Shoe |  |                          |  | Number of Samples<br>4                        |  | Undisturbed<br>N/A       |  |
| Casing Diameter (in)<br>N/A                                 |  | Casing Depth (ft)<br>N/A |  | Water Level (ft.)<br>First<br>13              |  | Completion<br>N/A        |  |
| Casing Hammer<br>N/A                                        |  | Weight (lbs)<br>N/A      |  | Drop (in)<br>N/A                              |  | 24 HR.<br>N/A            |  |
| Sampler<br>2-Inch Diameter by 4-Foot Long Steel MC/DT       |  |                          |  | Drilling Foreman<br>Adam Hutchinson           |  |                          |  |
| Sampler Hammer<br>N/A                                       |  |                          |  | Field Engineer<br>Kyle Twombly                |  |                          |  |

| MATERIAL SYMBOL | Elev. (ft) | Sample Description                                                                                                  | Depth Scale | Sample Data |           |             |                               |                                                                                                                          | Remarks<br>(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|---------------------------------------------------------------------------------------------------------------------|-------------|-------------|-----------|-------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |            |                                                                                                                     |             | Number      | Type      | Recov. (in) | Penetr. resist. BL/in         | PID Reading (ppm)                                                                                                        |                                                                                     |
|                 | +11.0      | (0-8") Pulverized concrete and asphalt                                                                              | 0           | R1          | MACROCORE | 26/48       | NA                            | 0.0<br>0.0<br>0.0<br>0.0<br><br>0.0<br>0.0<br>0.0<br>0.0<br><br>0.0<br>0.0<br>0.0<br>0.0<br><br>0.0<br>0.0<br>0.0<br>0.0 | Collect EB-08_0-2 at 11:30.                                                         |
|                 | +10.2      | R1 (0-18") Brown medium SAND, trace fine sand, trace coal ash, trace red brick (dry) [FILL]                         | 1           |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            |                                                                                                                     | 2           |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            |                                                                                                                     | 3           |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            |                                                                                                                     | 4           | R2          | MACROCORE | 26/48       | NA                            |                                                                                                                          |                                                                                     |
|                 |            |                                                                                                                     | 5           |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            | R2 (0-26") Brown medium SAND, trace fine sand, trace red brick, trace rock fragments (moist) [FILL]                 | 6           |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            |                                                                                                                     | 7           |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            |                                                                                                                     | 8           | R3          | MACROCORE | 35/48       | NA                            |                                                                                                                          |                                                                                     |
|                 |            |                                                                                                                     | 9           |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 | +1.0       | R3a (0-10") Brown medium SAND, trace fine sand, trace red brick, trace asphalt, trace rock fragments (moist) [FILL] | 10          |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            | R3b (10-25") Reddish brown medium SAND, some silt, trace fine sand (wet)                                            | 11          |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            | R3c (25-35") Dark grey fine SAND, some silt, trace medium sand (wet)                                                | 12          | R4          | MACROCORE | 48/48       | NA                            |                                                                                                                          |                                                                                     |
|                 |            | R4a (0-27") Greyish brown medium SAND, some silt, trace fine sand (wet)                                             | 13          |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            |                                                                                                                     | 14          |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            | R4b (27-48") Grey fine SAND, some silt (wet)                                                                        | 15          |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            | 16                                                                                                                  |             |             |           |             | Collect EB-08_13-15 at 11:45. |                                                                                                                          |                                                                                     |
|                 |            | 17                                                                                                                  |             |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            | 18                                                                                                                  |             |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            | 19                                                                                                                  |             |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            | 20                                                                                                                  |             |             |           |             |                               |                                                                                                                          |                                                                                     |
|                 |            |                                                                                                                     |             |             |           |             |                               | End of boring at 16'. Borehole backfilled with clean soil cuttings and #2 sand to grade.                                 |                                                                                     |

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**APPENDIX F**  
**GROUNDWATER MONITORING**  
**WELL CONSTRUCTION AND**  
**SAMPLING LOGS**

| WELL DEVELOPMENT SUMMARY                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               |                                     |  |                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------|-------------------------------------|--|-----------------------|
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               | MW02                                |  |                       |
| PROJECT                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                               | PROJECT NO.                         |  |                       |
| 551 Greenwich Street                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                               | 190043701                           |  |                       |
| LOCATION                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               | ELEVATION AND DATUM                 |  |                       |
| Manhattan, NY                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | el. NA NAVD88                       |  |                       |
| DRILLING AGENCY                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               | DATE STARTED                        |  | DATE FINISHED         |
| AARCO Environmental Services Corp.                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                               | 4/25/2018                           |  | 4/25/2018             |
| DRILLING EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                               | DRILLER                             |  |                       |
| Geoprobe 7822DT                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               | Adam Hutchinson                     |  |                       |
| SIZE AND TYPE OF BIT                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                               | INSPECTOR                           |  |                       |
| 2-inch Direct Push                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                               | Kyle Twombly                        |  |                       |
| BOREHOLE DIAMETER                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                               | TYPE OF WELL (OVERBURDEN / BEDROCK) |  |                       |
| 2-inches                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               | Overburden                          |  |                       |
| TYPE OF CASING                                                                                                                                                                                                                                                                                                                                                                                                                          |           | DIAMETER                                                                                      | TYPE OF BACKFILL MATERIAL           |  |                       |
| 2-inch PVC                                                                                                                                                                                                                                                                                                                                                                                                                              |           | 2-inch                                                                                        | No. 2 Sand and Bentonite            |  |                       |
| TYPE OF SCREEN                                                                                                                                                                                                                                                                                                                                                                                                                          |           | DIAMETER                                                                                      | TYPE OF FILTER MATERIAL             |  | TYPE OF SEAL MATERIAL |
| Prepack                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | 2-inch                                                                                        | No. 2 Sand                          |  | Bentonite             |
| METHOD OF INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                               |                                     |  |                       |
| AARCO advanced MW02 to a completion depth of 22.52 feet below grade surface (ft bgs) with 2-inch diameter pre-packed PVC casing and 2-inch sampling equipment which consisted of 10' of 10 slot (0.010-inch) well screen, and a solid 2" PVC riser. Well screen was installed from approximately 10.00 to 22.52 feet bgs with riser from 10.00 feet bgs to surface. Wells were finished with a flush mounted road box and concrete pad. |           |                                                                                               |                                     |  |                       |
| SURGE BLOCK DIAMETER                                                                                                                                                                                                                                                                                                                                                                                                                    |           | N/A                                                                                           | TYPE PUMP                           |  | Monsoon               |
| DRILLER OR LANGAN                                                                                                                                                                                                                                                                                                                                                                                                                       |           | Langan                                                                                        | MAX PUMP RATE                       |  | 1 LPM                 |
| NUMBER OF SURGE CYCLES                                                                                                                                                                                                                                                                                                                                                                                                                  |           | N/A                                                                                           | TOTAL VOLUME                        |  | 2.5 gal               |
| DEVELOPMENT CONFIRMATION                                                                                                                                                                                                                                                                                                                                                                                                                |           | Well developed on 4/26/2018 from 1:00PM-1:30PM until purged groundwater was no longer turbid. |                                     |  |                       |
| TOP OF CASING                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| TOP OF SEAL                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| TOP OF FILTER                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| TOP OF SCREEN                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| BOTTOM OF BORING                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| SCREEN LENGTH                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | 12.52 feet                          |  |                       |
| SLOT SIZE                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                               | 0.01-inch                           |  |                       |
| GROUNDWATER ELEVATIONS                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                               |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4/25/2018 | 15.45 ft                                                                                      |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4/26/2018 | 15.15 ft                                                                                      |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5/2/2018  | 15.24 ft                                                                                      |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| WELL DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                               | SUMMARY SOIL CLASSIFICATION         |  | DEPTH (FT)            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 0.0                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 0.5                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 10.00                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 22.52                 |
| <b>LANGAN Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.</b><br>21 Penn Plaza, 360 West 31st Street, 8th Floor, New York                                                                                                                                                                                                                                                                                      |           |                                                                                               |                                     |  |                       |

| WELL DEVELOPMENT SUMMARY                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               |                                     |  |                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------|-------------------------------------|--|-----------------------|
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               | MW03                                |  |                       |
| PROJECT                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                               | PROJECT NO.                         |  |                       |
| 551 Greenwich Street                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                               | 190043701                           |  |                       |
| LOCATION                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               | ELEVATION AND DATUM                 |  |                       |
| Manhattan, NY                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | el. NA NAVD88                       |  |                       |
| DRILLING AGENCY                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               | DATE STARTED                        |  | DATE FINISHED         |
| AARCO Environmental Services Corp.                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                               | 4/24/2018                           |  | 4/24/2018             |
| DRILLING EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                               | DRILLER                             |  |                       |
| Geoprobe 7822DT                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               | Adam Hutchinson                     |  |                       |
| SIZE AND TYPE OF BIT                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                               | INSPECTOR                           |  |                       |
| 2-inch Direct Push                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                               | Kyle Twombly                        |  |                       |
| BOREHOLE DIAMETER                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                               | TYPE OF WELL (OVERBURDEN / BEDROCK) |  |                       |
| 2-inches                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               | Overburden                          |  |                       |
| TYPE OF CASING                                                                                                                                                                                                                                                                                                                                                                                                                          |           | DIAMETER                                                                                      | TYPE OF BACKFILL MATERIAL           |  |                       |
| 2-inch PVC                                                                                                                                                                                                                                                                                                                                                                                                                              |           | 2-inch                                                                                        | No. 2 Sand and Bentonite            |  |                       |
| TYPE OF SCREEN                                                                                                                                                                                                                                                                                                                                                                                                                          |           | DIAMETER                                                                                      | TYPE OF FILTER MATERIAL             |  | TYPE OF SEAL MATERIAL |
| Prepack                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | 2-inch                                                                                        | No. 2 Sand                          |  | Bentonite             |
| METHOD OF INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                               |                                     |  |                       |
| AARCO advanced MW03 to a completion depth of 20.10 feet below grade surface (ft bgs) with 2-inch diameter pre-packed PVC casing and 2-inch sampling equipment which consisted of 10' of 10 slot (0.010-inch) well screen, and a solid 2" PVC riser. Well screen was installed from approximately 10.10 to 20.10 feet bgs with riser from 10.10 feet bgs to surface. Wells were finished with a flush mounted road box and concrete pad. |           |                                                                                               |                                     |  |                       |
| SURGE BLOCK DIAMETER                                                                                                                                                                                                                                                                                                                                                                                                                    |           | N/A                                                                                           | TYPE PUMP                           |  | Monsoon               |
| DRILLER OR LANGAN                                                                                                                                                                                                                                                                                                                                                                                                                       |           | Langan                                                                                        | MAX PUMP RATE                       |  | 1 LPM                 |
| NUMBER OF SURGE CYCLES                                                                                                                                                                                                                                                                                                                                                                                                                  |           | N/A                                                                                           | TOTAL VOLUME                        |  | 2.5 gal               |
| DEVELOPMENT CONFIRMATION                                                                                                                                                                                                                                                                                                                                                                                                                |           | Well developed on 4/26/2018 from 1:45PM-2:15PM until purged groundwater was no longer turbid. |                                     |  |                       |
| TOP OF CASING                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| TOP OF SEAL                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| TOP OF FILTER                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| TOP OF SCREEN                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| BOTTOM OF BORING                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| SCREEN LENGTH                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | 10.00 feet                          |  |                       |
| SLOT SIZE                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                               | 0.01-inch                           |  |                       |
| GROUNDWATER ELEVATIONS                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                               |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4/25/2018 | 15.56 ft                                                                                      |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4/26/2018 | 15.06 ft                                                                                      |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5/2/2018  | 14.97 ft                                                                                      |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| WELL DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                               | SUMMARY SOIL CLASSIFICATION         |  | DEPTH (FT)            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 0.0                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 0.5                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 10.10                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 20.10                 |
| <b>LANGAN Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.</b><br>21 Penn Plaza, 360 West 31st Street, 8th Floor, New York                                                                                                                                                                                                                                                                                      |           |                                                                                               |                                     |  |                       |

| WELL DEVELOPMENT SUMMARY                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------|
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                                  | MW04                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                 |                   |
| <b>PROJECT</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |                                  | <b>PROJECT NO.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                 |                   |
| 551 Greenwich Street                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |                                  | 190043701                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                 |                   |
| <b>LOCATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                  | <b>ELEVATION AND DATUM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                 |                   |
| Manhattan, NY                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                                  | el. NA NAVD88                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                 |                   |
| <b>DRILLING AGENCY</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |                                  | <b>DATE STARTED</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>DATE FINISHED</b>                                                                            |                   |
| AARCO Environmental Services Corp.                                                                                                                                                                                                                                                                                                                                                                                                      |                  |                                  | 4/23/2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4/23/2018                                                                                       |                   |
| <b>DRILLING EQUIPMENT</b>                                                                                                                                                                                                                                                                                                                                                                                                               |                  |                                  | <b>DRILLER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                 |                   |
| Geoprobe 7822DT                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                  | Adam Hutchinson                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>SIZE AND TYPE OF BIT</b>                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                                  | <b>INSPECTOR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 |                   |
| 2-inch Direct Push                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |                                  | Kyle Twombly                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                 |                   |
| <b>BOREHOLE DIAMETER</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                                  | <b>TYPE OF WELL (OVERBURDEN / BEDROCK)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                 |                   |
| 2-inches                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                                  | Overburden                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                 |                   |
| <b>TYPE OF CASING</b>                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>DIAMETER</b>  | <b>TYPE OF BACKFILL MATERIAL</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| 2-inch PVC                                                                                                                                                                                                                                                                                                                                                                                                                              | 2-inch           | No. 2 Sand and Bentonite         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>TYPE OF SCREEN</b>                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>DIAMETER</b>  | <b>TYPE OF FILTER MATERIAL</b>   | <b>TYPE OF SEAL MATERIAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                 |                   |
| Prepack                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2-inch           | No. 2 Sand                       | Bentonite                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                 |                   |
| <b>METHOD OF INSTALLATION</b>                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| AARCO advanced MW04 to a completion depth of 20.02 feet below grade surface (ft bgs) with 2-inch diameter pre-packed PVC casing and 2-inch sampling equipment which consisted of 10' of 10 slot (0.010-inch) well screen, and a solid 2" PVC riser. Well screen was installed from approximately 10.02 to 20.02 feet bgs with riser from 10.02 feet bgs to surface. Wells were finished with a flush mounted road box and concrete pad. |                  |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>SURGE BLOCK DIAMETER</b>                                                                                                                                                                                                                                                                                                                                                                                                             | N/A              | <b>TYPE PUMP</b>                 | Monsoon                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>DEVELOPMENT CONFIRMATION</b>                                                                 |                   |
| <b>DRILLER OR LANGAN</b>                                                                                                                                                                                                                                                                                                                                                                                                                | Langan           | <b>MAX PUMP RATE</b>             | 1 LPM                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Well developed on 4/26/2018 from 11:15AM-11:45AM until purged groundwater was no longer turbid. |                   |
| <b>NUMBER OF SURGE CYCLES</b>                                                                                                                                                                                                                                                                                                                                                                                                           | N/A              | <b>TOTAL VOLUME</b>              | 2.5 gal                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                 |                   |
| <b>TOP OF CASING</b>                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>ELEVATION</b> | <b>DEPTH (ft)</b>                | <p>The diagram illustrates the vertical profile of the well. It shows a central riser pipe extending from the ground surface down to a depth of 10.02 feet. Below this, there is a section labeled 'Seal'. Further down, starting at 10.02 feet and ending at 20.02 feet, is a 'Screen' section surrounded by a 'Sand Pack'. The bottom of the casing is at 20.02 feet. Labels include 'Cover', 'Riser', 'Grout', 'Seal', 'PVC Screen', 'Sand Pack', and 'Depth (ft)'.</p> |                                                                                                 | <b>DEPTH (FT)</b> |
| <b>TOP OF SEAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>ELEVATION</b> | <b>DEPTH (ft)</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 | 0.0               |
| <b>TOP OF FILTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>ELEVATION</b> | <b>DEPTH (ft)</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>TOP OF SCREEN</b>                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>ELEVATION</b> | <b>DEPTH (ft)</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>BOTTOM OF BORING</b>                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>ELEVATION</b> | <b>DEPTH (ft)</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>SCREEN LENGTH</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>SLOT SIZE</b>                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 | 0.5               |
| <b>GROUNDWATER ELEVATIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 | 10.02             |
| <b>ELEVATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>DATE</b>      | <b>DEPTH TO WATER</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4/25/2018        | 16.76 ft                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>ELEVATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>DATE</b>      | <b>DEPTH TO WATER</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4/26/2018        | 17.05 ft                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>ELEVATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>DATE</b>      | <b>DEPTH TO WATER</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5/2/2018         | 17.36 ft                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>ELEVATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>DATE</b>      | <b>DEPTH TO WATER</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>ELEVATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>DATE</b>      | <b>DEPTH TO WATER</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>ELEVATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>DATE</b>      | <b>DEPTH TO WATER</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |
| <b>ELEVATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>DATE</b>      | <b>DEPTH TO WATER</b>            | 20.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                 |                   |
| <b>LANGAN Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.</b><br>21 Penn Plaza, 360 West 31st Street, 8th Floor, New York                                                                                                                                                                                                                                                                                      |                  |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                 |                   |

| WELL DEVELOPMENT SUMMARY                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               |                                     |  |                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------|-------------------------------------|--|-----------------------|
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               | MW06                                |  |                       |
| PROJECT                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                               | PROJECT NO.                         |  |                       |
| 551 Greenwich Street                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                               | 190043701                           |  |                       |
| LOCATION                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               | ELEVATION AND DATUM                 |  |                       |
| Manhattan, NY                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | el. NA NAVD88                       |  |                       |
| DRILLING AGENCY                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               | DATE STARTED                        |  | DATE FINISHED         |
| AARCO Environmental Services Corp.                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                               | 4/24/2018                           |  | 4/24/2018             |
| DRILLING EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                               | DRILLER                             |  |                       |
| Geoprobe 7822DT                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               | Adam Hutchinson                     |  |                       |
| SIZE AND TYPE OF BIT                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                               | INSPECTOR                           |  |                       |
| 2-inch Direct Push                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                               | Kyle Twombly                        |  |                       |
| BOREHOLE DIAMETER                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                               | TYPE OF WELL (OVERBURDEN / BEDROCK) |  |                       |
| 2-inches                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                               | Overburden                          |  |                       |
| TYPE OF CASING                                                                                                                                                                                                                                                                                                                                                                                                                          |           | DIAMETER                                                                                      | TYPE OF BACKFILL MATERIAL           |  |                       |
| 2-inch PVC                                                                                                                                                                                                                                                                                                                                                                                                                              |           | 2-inch                                                                                        | No. 2 Sand and Bentonite            |  |                       |
| TYPE OF SCREEN                                                                                                                                                                                                                                                                                                                                                                                                                          |           | DIAMETER                                                                                      | TYPE OF FILTER MATERIAL             |  | TYPE OF SEAL MATERIAL |
| Prepack                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | 2-inch                                                                                        | No. 2 Sand                          |  | Bentonite             |
| METHOD OF INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                               |                                     |  |                       |
| AARCO advanced MW06 to a completion depth of 21.59 feet below grade surface (ft bgs) with 2-inch diameter pre-packed PVC casing and 2-inch sampling equipment which consisted of 10' of 10 slot (0.010-inch) well screen, and a solid 2" PVC riser. Well screen was installed from approximately 11.59 to 21.59 feet bgs with riser from 11.59 feet bgs to surface. Wells were finished with a flush mounted road box and concrete pad. |           |                                                                                               |                                     |  |                       |
| SURGE BLOCK DIAMETER                                                                                                                                                                                                                                                                                                                                                                                                                    |           | N/A                                                                                           | TYPE PUMP                           |  | Monsoon               |
| DRILLER OR LANGAN                                                                                                                                                                                                                                                                                                                                                                                                                       |           | Langan                                                                                        | MAX PUMP RATE                       |  | 1 LPM                 |
| NUMBER OF SURGE CYCLES                                                                                                                                                                                                                                                                                                                                                                                                                  |           | N/A                                                                                           | TOTAL VOLUME                        |  | 2.5 gal               |
| DEVELOPMENT CONFIRMATION                                                                                                                                                                                                                                                                                                                                                                                                                |           | Well developed on 4/26/2018 from 8:30AM-9:00AM until purged groundwater was no longer turbid. |                                     |  |                       |
| TOP OF CASING                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| TOP OF SEAL                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| TOP OF FILTER                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| TOP OF SCREEN                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| BOTTOM OF BORING                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                               | ELEVATION                           |  | DEPTH (ft)            |
| SCREEN LENGTH                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                               |                                     |  |                       |
| SLOT SIZE                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                               |                                     |  |                       |
| GROUNDWATER ELEVATIONS                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                               |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4/25/2018 | 15.42 ft                                                                                      |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4/26/2018 | 15.80 ft                                                                                      |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5/2/2018  | 15.82 ft                                                                                      |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| ELEVATION                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE      | DEPTH TO WATER                                                                                |                                     |  |                       |
| WELL DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                               | SUMMARY SOIL CLASSIFICATION         |  | DEPTH (FT)            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 0.0                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 0.5                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 11.59                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                               |                                     |  | 21.59                 |
| <b>LANGAN Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.</b><br>21 Penn Plaza, 360 West 31st Street, 8th Floor, New York                                                                                                                                                                                                                                                                                      |           |                                                                                               |                                     |  |                       |

|                                                   |
|---------------------------------------------------|
| <b>GROUND WATER SAMPLE FIELD INFORMATION FORM</b> |
|---------------------------------------------------|

|                                   |                                               |                                      |
|-----------------------------------|-----------------------------------------------|--------------------------------------|
| <b>Site:</b> 551 Greenwich Street | <b>Well#/Location:</b> MW02                   | <b>Job No.</b> 190043701             |
| <b>Date:</b> 5/2/2018             | <b>Weather:</b> Clear, 70 degrees F, winds SW | <b>pling Personnel:</b> Kyle Twombly |

**Sampling Personnel:** Kyle Twombly

|                         |             |
|-------------------------|-------------|
| Sample ID               | MW02_050218 |
| Well Depth (ft.)        | 22.52       |
| Screened Interval (ft.) | 10-22.52    |
| Casing Elevation (msl)  | NA          |
| Casing Diameter (in)    | 2           |
| Depth to Water (ft.)    | 15.24       |
| Water Elevation (msl)   | NA          |
| Casing Volume (gal)     | NA          |
| PID/FID Reading (ppm)   | 250         |

|                         |          |
|-------------------------|----------|
| Purging Method          | Low-flow |
| Purging Rate (l/m; gpm) | NA       |
| Start Purge Time        | 11:30    |
| End Purge Time          | 12:15    |
| Volume Purged (gal)     | 4.1      |

|                             |          |
|-----------------------------|----------|
| Sampling Method             | Low-flow |
| Start Sampling Time         | 12:15    |
| End Sampling Time           | 12:30    |
| Depth Before Sampling (ft.) | 17       |
| Number Bottles Collected    | 11       |

[illegible]

|                                                                                                                                                                                                                                                                                                                                           |                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Stability</b><br><b>PH - ± 0.1 unit</b><br><b>Specific Conductance - ± 3%</b><br><b>Temperature - ± 3%</b><br><b>Dissolved Oxygen - ±10% above 0.5 mg/L</b><br><b>Turbidity - ± 10% above 5 NTU</b><br><b>ORP/Eh - ±10 millivolts</b><br><b>Maximum flow rate - &lt;0.5 L/m or 0.13 gpm</b><br><b>Maximum drawdown - &lt;0.33 feet</b> | Strong gasoline-like odors. DUP01_050218 is a duplicate sample of MW02_050218. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                                           |                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Stability</b><br><b>PH - ± 0.1 unit</b><br><b>Specific Conductance - ± 3%</b><br><b>Temperature - ± 3%</b><br><b>Dissolved Oxygen - ±10% above 0.5 mg/L</b><br><b>Turbidity - ± 10% above 5 NTU</b><br><b>ORP/Eh - ±10 millivolts</b><br><b>Maximum flow rate - &lt;0.5 L/m or 0.13 gpm</b><br><b>Maximum drawdown - &lt;0.33 feet</b> | Strong gasoline-like odors. DUP01_050218 is a duplicate sample of MW02_050218. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|

Remember: Battery Connections - **RED** is **POSITIVE** and **BLACK** is **NEGATIVE**

**Langan** Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

|                                                   |
|---------------------------------------------------|
| <b>GROUND WATER SAMPLE FIELD INFORMATION FORM</b> |
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|                                   |                                               |                                        |
|-----------------------------------|-----------------------------------------------|----------------------------------------|
| <b>Site:</b> 551 Greenwich Street | <b>Well#/Location:</b> MW03                   | <b>Job No.</b> 190043701               |
| <b>Date:</b> 5/2/2018             | <b>Weather:</b> Clear, 70 degrees F, winds SW | <b>Logging Personnel:</b> Kyle Twombly |

[illegible]

| Well Information        |             |
|-------------------------|-------------|
| Sample ID               | MW03_050218 |
| Well Depth (ft.)        | 20.1        |
| Screened Interval (ft.) | 10.1-20.1   |
| Casing Elevation (msl)  | NA          |
| Casing Diameter (in)    | 2           |
| Depth to Water (ft.)    | 14.97       |
| Water Elevation (msl)   | NA          |
| Casing Volume (gal)     | NA          |
| PID/FID Reading (ppm)   | 21.9        |

| Purging Information     |          |
|-------------------------|----------|
| Purging Method          | Low-flow |
| Purging Rate (l/m; gpm) | NA       |
| Start Purge Time        | 9:00     |
| End Purge Time          | 9:25     |
| Volume Purged (gal)     | 1.6      |

|                             |          |
|-----------------------------|----------|
| Sampling Method             | Low-flow |
| Start Sampling Time         | 9:30     |
| End Sampling Time           | 10:30    |
| Depth Before Sampling (ft.) | 18.78    |
| Number Bottles Collected    | 11       |

[illegible]

|                                                                                                                                                                                                                                                                                                                                           |                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Stability</b><br><b>PH - ± 0.1 unit</b><br><b>Specific Conductance - ± 3%</b><br><b>Temperature - ± 3%</b><br><b>Dissolved Oxygen - ±10% above 0.5 mg/L</b><br><b>Turbidity - ± 10% above 5 NTU</b><br><b>ORP/Eh - ±10 millivolts</b><br><b>Maximum flow rate - &lt;0.5 L/m or 0.13 gpm</b><br><b>Maximum drawdown - &lt;0.33 feet</b> | Poor recharge. Slight gasoline-like odors. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|

|                                                                                                                                                                                                                                                                                                                                           |                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Stability</b><br><b>PH - ± 0.1 unit</b><br><b>Specific Conductance - ± 3%</b><br><b>Temperature - ± 3%</b><br><b>Dissolved Oxygen - ±10% above 0.5 mg/L</b><br><b>Turbidity - ± 10% above 5 NTU</b><br><b>ORP/Eh - ±10 millivolts</b><br><b>Maximum flow rate - &lt;0.5 L/m or 0.13 gpm</b><br><b>Maximum drawdown - &lt;0.33 feet</b> | Poor recharge. Slight gasoline-like odors. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|

Remember: Battery Connections - **RED** is **POSITIVE** and **BLACK** is **NEGATIVE**

**Langan** Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

|                                                   |
|---------------------------------------------------|
| <b>GROUND WATER SAMPLE FIELD INFORMATION FORM</b> |
|---------------------------------------------------|

|                                   |                                               |                                         |
|-----------------------------------|-----------------------------------------------|-----------------------------------------|
| <b>Site:</b> 551 Greenwich Street | <b>Well#/Location:</b> MW04                   | <b>Job No.</b> 190043701                |
| <b>Date:</b> 5/2/2018             | <b>Weather:</b> Clear, 70 degrees F, winds SW | <b>Sampling Personnel:</b> Kyle Twombly |

| Well Information |  | Purging Information |  |
|------------------|--|---------------------|--|
| Well ID          |  | Purge Date          |  |
| Well Name        |  | Purge Time          |  |
| Well Location    |  | Purge Volume        |  |
| Well Depth       |  | Purge Pressure      |  |
| Well Status      |  | Purge Method        |  |
| Well Type        |  | Purge Frequency     |  |
| Well Age         |  | Purge Efficiency    |  |
| Well Owner       |  | Purge Cost          |  |
| Well Operator    |  | Purge Notes         |  |
| Well Inspector   |  | Purge Results       |  |
| Well Maintenance |  | Purge Schedule      |  |
| Well History     |  | Purge Log           |  |
| Well Data        |  | Purge Report        |  |
| Well Analysis    |  | Purge Summary       |  |
| Well Conclusion  |  | Purge Final         |  |

|                         |             |
|-------------------------|-------------|
| Sample ID               | MW04_050218 |
| Well Depth (ft.)        | 20.02       |
| Screened Interval (ft.) | 10.02-20.02 |
| Casing Elevation (msl)  | NA          |
| Casing Diameter (in)    | 2           |
| Depth to Water (ft.)    | 17.36       |
| Water Elevation (msl)   | NA          |
| Casing Volume (gal)     | NA          |
| PID/FID Reading (ppm)   | 2.1         |

|                         |          |
|-------------------------|----------|
| Purging Method          | Low-flow |
| Purging Rate (l/m; gpm) | NA       |
| Start Purge Time        | 7:40     |
| End Purge Time          | 8:15     |
| Volume Purged (gal)     | 2.5      |

|                             |          |
|-----------------------------|----------|
| Sampling Method             | Low-flow |
| Start Sampling Time         | 8:20     |
| End Sampling Time           | 8:35     |
| Depth Before Sampling (ft.) | 19.02    |
| Number Bottles Collected    | 11       |

[illegible]

|                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>Stability</b></p> <p><b>PH - ± 0.1 unit</b></p> <p><b>Specific Conductance - ± 3%</b></p> <p><b>Temperature - ± 3%</b></p> <p><b>Dissolved Oxygen - ±10% above 0.5 mg/L</b></p> <p><b>Turbidity - ± 10% above 5 NTU</b></p> <p><b>ORP/Eh - ±10 millivolts</b></p> <p><b>Maximum flow rate - &lt;0.5 L/m or 0.13 gpm</b></p> <p><b>Maximum drawdown - &lt;0.33 feet</b></p> |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

Remember: Battery Connections - **RED** is **POSITIVE** and **BLACK** is **NEGATIVE**

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**APPENDIX G**  
**SOIL VAPOR CONSTRUCTION AND**  
**SAMPLING LOGS**

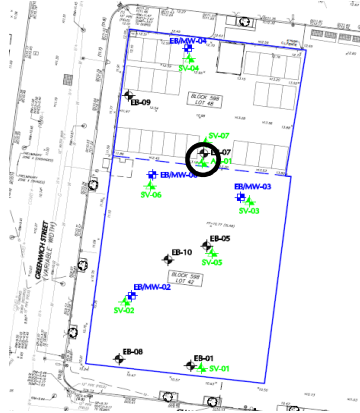
**AIR SAMPLING LOG SHEET**

Sample Number: AA01\_042518

|                                                                                                                                                           |                                                                                                                                                    |                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>PROJECT:</b><br>551 Greenwich Street                                                                                                                   | <b>PROJECT NO.:</b><br>190043701                                                                                                                   |                                    |
| <b>LOCATION:</b><br>551 Greenwich Street, Manhattan NY                                                                                                    | <b>SURFACE ELEVATION AND DATUM:</b><br>NA                                                                                                          |                                    |
| <b>SAMPLER:</b><br>Kyle Twombly                                                                                                                           | <b>SAMPLE DATE STARTED:</b><br>4/25/2018                                                                                                           | <b>DATE FINISHED:</b><br>4/25/2018 |
| <b>INSPECTOR:</b><br>Kyle Twombly                                                                                                                         | <b>TYPE OF SAMPLING DEVICE:</b><br>2.7 - Liter Summa                                                                                               |                                    |
| <b>POTENTIAL SAMPLE INTERFERENCES:</b><br>1. Operation of vehicles within the garage and parking lot<br>2. Groundwater intrusion within the sampling tube | <b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b><br>Clear, 65-80 Degrees F, winds SW at 10-15 mph, 30.03" Hg, 24% humidity |                                    |

**METHOD OF INSTALLATION AND SAMPLING:**

Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 2.7 L Summa canister fitted with aa 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

| SAMPLE DETAILS                  |       | SAMPLE LOCATION SKETCH                                                               |
|---------------------------------|-------|--------------------------------------------------------------------------------------|
| HEIGHT ABOVE GROUND (FT):       | 3     |  |
| PID BEFORE SAMPLE (PPM):        | 0.0   |                                                                                      |
| SAMPLE START TIME:              | 10:10 |                                                                                      |
| SAMPLE STOP TIME:               | 12:10 |                                                                                      |
| TOTAL SAMPLE TIME (MIN):        | 120   |                                                                                      |
| REGULATOR FLOW RATE (L/MIN):    | 0.018 |                                                                                      |
| VOLUME OF SAMPLE (LITERS):      | 2.7   |                                                                                      |
| PID AFTER SAMPLE (PPM):         | 0.0   |                                                                                      |
| SAMPLE MOISTURE CONTENT:        | NA    |                                                                                      |
| CAN SERIAL NUMBER:              | 1060  |                                                                                      |
| REGULATOR SERIAL NUMBER:        | 310   |                                                                                      |
| CAN START VACUUM PRESS. (" HG): | 29.73 |                                                                                      |
| CAN STOP VACUUM PRESS. (" HG):  | 4.11  |                                                                                      |

**NOTES**

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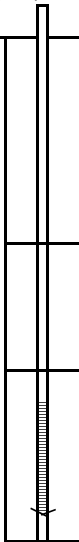

# SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV01\_050218

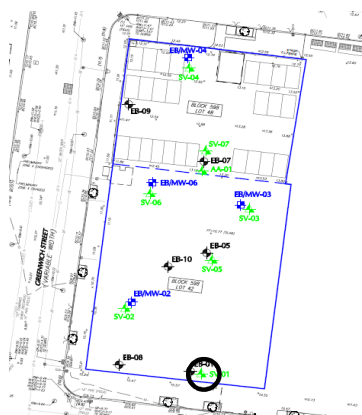
|                                                                                                                                                           |                                                                                                                                                    |                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>PROJECT:</b><br>551 Greenwich Street                                                                                                                   | <b>PROJECT NO.:</b><br>190043701                                                                                                                   |                                    |
| <b>LOCATION:</b><br>551 Greenwich Street, Manhattan NY                                                                                                    | <b>SURFACE ELEVATION AND DATUM:</b><br>NA                                                                                                          |                                    |
| <b>DRILLING FIRM OR LANGAN INSTALLER:</b><br>AARCO Environmental Services Corp.                                                                           | <b>INSTALLATION DATE STARTED:</b><br>4/24/2018                                                                                                     | <b>DATE FINISHED:</b><br>4/24/2018 |
| <b>INSTALLATION FOREMAN:</b><br>Adam Hutchinson                                                                                                           | <b>SAMPLE DATE STARTED:</b><br>5/2/2018                                                                                                            | <b>DATE FINISHED:</b><br>5/2/2018  |
| <b>INSTALLATION EQUIPMENT:</b><br>Geoprobe 7822 DT                                                                                                        | <b>TYPE OF SAMPLING DEVICE:</b><br>2.7-L Summa Canister                                                                                            |                                    |
| <b>INSPECTOR:</b><br>Kyle Twombly                                                                                                                         | <b>SAMPLER:</b><br>Kyle Twombly                                                                                                                    |                                    |
| <b>POTENTIAL SAMPLE INTERFERENCES:</b><br>1. Operation of vehicles within the garage and parking lot<br>2. Groundwater intrusion within the sampling tube | <b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b><br>Clear, 65-80 Degrees F, winds SW at 10-15 mph, 30.03" Hg, 24% humidity |                                    |

**METHOD OF INSTALLATION AND PURGING:**  
AARCO advanced a borehole at the soil boring location to 6 feet bgs to install the soil vapor point.#2 sand was backfilled around and above the point to a depth of 1 feet below grade surface and the remainder of the borehole was sealed with hydrated bentonite powder to grade. A multirae PID set to low was used to purge the soil vapor point and collect an initial PID reading.

|                                                                                                 |                                                                                       |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>TUBING TYPE/DIAMETER:</b><br>1/4-inch telfon tubing                                          | <b>TYPE OF MATERIAL ABOVE SEAL:</b><br>Hydrated Bentonite                             |
| <b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b><br>Polyethylene vapor implant/ 1.875-inch/ 0.5-inch | <b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b><br>Hydrated Bentonite |
| <b>BOREHOLE DIAMETER:</b><br>2-inch                                                             | <b>FILTER PACK MATERIAL (Sand or Glass Beads):</b><br>#2 Sand                         |

|                                                                                     |                  |       |                                                                                    |         |                              |       |
|-------------------------------------------------------------------------------------|------------------|-------|------------------------------------------------------------------------------------|---------|------------------------------|-------|
| PURGE VOLUME (L):                                                                   | 0.45             |       | IMPLANT/PROBE DETAILS<br>(SEAL, FILTER, ETC.)                                      |         | DEPTH<br>(FEET FROM SURFACE) | NOTES |
| PURGE FLOW RATE (ML/MIN):                                                           | 150 (3 min)      |       |                                                                                    |         |                              |       |
| PID AFTER PURGE (PPM):                                                              | 1.2              |       | SURFACE                                                                            | SURFACE |                              |       |
| HELIUM TEST IN BUCKET(%):                                                           | 15.5%            | 16.6% |  |         | Hydrated Bentonite Powder    |       |
| HELIUM TEST IN TUBE (PPM):                                                          | 0.0%             | 0.0%  |                                                                                    |         |                              |       |
| SAMPLE START DATE/TIME:                                                             | 5/2/2018 / 10:00 |       |                                                                                    |         |                              |       |
| SAMPLE STOP DATE/TIME:                                                              | 5/2/2018 / 12:00 |       |                                                                                    |         |                              |       |
| TOTAL SAMPLE TIME (MIN):                                                            | 120              |       |                                                                                    |         |                              |       |
| FLOW RATE (mL/MIN):                                                                 | 18.6             |       |                                                                                    |         |                              |       |
| VOLUME OF SAMPLE (LITERS):                                                          | 2.7              |       |                                                                                    |         |                              |       |
| PID AFTER SAMPLE (PPM):                                                             | 0.5              |       |                                                                                    |         |                              |       |
| SAMPLE MOISTURE CONTENT:                                                            | NA               |       |                                                                                    |         |                              |       |
| CAN SERIAL NUMBER:                                                                  | 353              |       |                                                                                    |         |                              |       |
| REGULATOR SERIAL NUMBER:                                                            | 0244             |       |                                                                                    |         |                              |       |
| CAN START VACUUM PRESS. (" HG):                                                     | 30.01            |       |                                                                                    |         |                              |       |
| CAN STOP VACUUM PRESS. (" HG):                                                      | 4.52             |       |                                                                                    |         |                              |       |
| SAMPLE LOCATION SKETCH                                                              |                  |       |                                                                                    |         |                              |       |
|  |                  |       |                                                                                    |         |                              |       |

## SAMPLE LOCATION SKETCH



## NOTES

SV01 was originally installed to about 10 feet bgs. SV01 had to be re-installed to about 6 feet bgs because excessive moisture had accumulated in the sampling tube. The vapor point was in tact on 5/2/2018 and was re-sampled on 5/2/2018.

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# SOIL VAPOR SAMPLING LOG SHEET

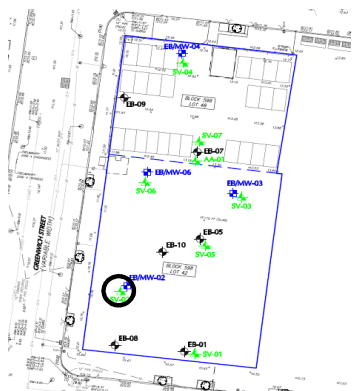
Sample Number: SV02\_042518

|                                                                                                      |                                                                                                                                                    |                                    |
|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>PROJECT:</b><br>551 Greenwich Street                                                              | <b>PROJECT NO.:</b><br>190043701                                                                                                                   |                                    |
| <b>LOCATION:</b><br>551 Greenwich Street, Manhattan NY                                               | <b>SURFACE ELEVATION AND DATUM:</b><br>NA                                                                                                          |                                    |
| <b>DRILLING FIRM OR LANGAN INSTALLER:</b><br>AARCO Environmental Services Corp.                      | <b>INSTALLATION DATE STARTED:</b><br>4/25/2018                                                                                                     | <b>DATE FINISHED:</b><br>4/25/2018 |
| <b>INSTALLATION FOREMAN:</b><br>Adam Hutchinson                                                      | <b>SAMPLE DATE STARTED:</b><br>4/25/2018                                                                                                           | <b>DATE FINISHED:</b><br>4/25/2018 |
| <b>INSTALLATION EQUIPMENT:</b><br>Geoprobe 7822 DT                                                   | <b>TYPE OF SAMPLING DEVICE:</b><br>6-L Summa Canister                                                                                              |                                    |
| <b>INSPECTOR:</b><br>Kyle Twombly                                                                    | <b>SAMPLER:</b><br>Kyle Twombly                                                                                                                    |                                    |
| <b>POTENTIAL SAMPLE INTERFERENCES:</b><br>1. Operation of vehicles within the garage and parking lot | <b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b><br>Clear, 65-80 Degrees F, winds SW at 10-15 mph, 30.03" Hg, 24% humidity |                                    |

|                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>METHOD OF INSTALLATION AND PURGING:</b><br>AARCO advanced a borehole at the soil boring location to 10 feet bgs to install the soil vapor point. #2 sand was backfilled around and above the point to a depth of 1 foot below grade surface and the remainder of the borehole was sealed with hydrated bentonite powder to grade. A multirae PID set to low was used to purge the soil vapor point and collect an initial PID reading. |                                                                                       |
| <b>TUBING TYPE/DIAMETER:</b><br>1/4-inch teflon tubing                                                                                                                                                                                                                                                                                                                                                                                    | <b>TYPE OF MATERIAL ABOVE SEAL:</b><br>Hydrated Bentonite                             |
| <b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b><br>Polyethylene vapor implant/ 1.875-inch/ 0.5-inch                                                                                                                                                                                                                                                                                                                                           | <b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b><br>Hydrated Bentonite |
| <b>BOREHOLE DIAMETER:</b><br>2-inch                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FILTER PACK MATERIAL (Sand or Glass Beads):</b><br>#2 Sand                         |

| PURGE VOLUME (L):                         |  | IMPLANT/PROBE DETAILS |  | DEPTH<br>(FEET FROM SURFACE) | NOTES                     |
|-------------------------------------------|--|-----------------------|--|------------------------------|---------------------------|
| PURGE FLOW RATE (ML/MIN):                 |  | (SEAL, FILTER, ETC.)  |  |                              |                           |
| 0.75                                      |  | SURFACE SURFACE       |  | 0                            | Hydrated Bentonite Powder |
| 150 (5 min)                               |  |                       |  |                              |                           |
| PID AFTER PURGE (PPM): 250                |  |                       |  |                              |                           |
| HELIUM TEST IN BUCKET(%): 14.5% 16.1%     |  |                       |  |                              |                           |
| HELIUM TEST IN TUBE (PPM): 0.0% 0.0%      |  |                       |  |                              |                           |
| SAMPLE START DATE/TIME: 4/25/2018 / 11:20 |  |                       |  | 1                            | #2 Sand                   |
| SAMPLE STOP DATE/TIME: 4/25/2018 / 13:20  |  |                       |  |                              |                           |
| TOTAL SAMPLE TIME (MIN): 120              |  |                       |  |                              |                           |
| FLOW RATE (mL/MIN): 39.8                  |  |                       |  |                              |                           |
| VOLUME OF SAMPLE (LITERS): 6              |  |                       |  |                              |                           |
| PID AFTER SAMPLE (PPM): 198               |  |                       |  | 10                           | SV Implant                |
| SAMPLE MOISTURE CONTENT: NA               |  |                       |  |                              |                           |
| CAN SERIAL NUMBER: 2109                   |  |                       |  |                              |                           |
| REGULATOR SERIAL NUMBER: 0753             |  |                       |  |                              |                           |
| CAN START VACUUM PRESS. (" HG): 29.98     |  |                       |  |                              |                           |
| CAN STOP VACUUM PRESS. (" HG): 7.23       |  |                       |  |                              |                           |

## SAMPLE LOCATION SKETCH



## NOTES

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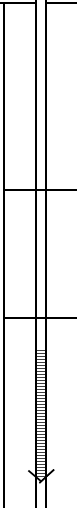

# SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV03\_042518

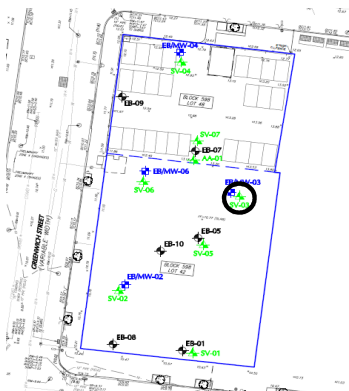
|                                                                                                                                                           |                                                                                                                                                    |                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>PROJECT:</b><br>551 Greenwich Street                                                                                                                   | <b>PROJECT NO.:</b><br>190043701                                                                                                                   |                                    |
| <b>LOCATION:</b><br>551 Greenwich Street, Manhattan NY                                                                                                    | <b>SURFACE ELEVATION AND DATUM:</b><br>NA                                                                                                          |                                    |
| <b>DRILLING FIRM OR LANGAN INSTALLER:</b><br>AARCO Environmental Services Corp.                                                                           | <b>INSTALLATION DATE STARTED:</b><br>4/25/2018                                                                                                     | <b>DATE FINISHED:</b><br>4/25/2018 |
| <b>INSTALLATION FOREMAN:</b><br>Adam Hutchinson                                                                                                           | <b>SAMPLE DATE STARTED:</b><br>4/25/2018                                                                                                           | <b>DATE FINISHED:</b><br>4/25/2018 |
| <b>INSTALLATION EQUIPMENT:</b><br>Geoprobe 7822 DT                                                                                                        | <b>TYPE OF SAMPLING DEVICE:</b><br>6-L Summa Canister                                                                                              |                                    |
| <b>INSPECTOR:</b><br>Kyle Twombly                                                                                                                         | <b>SAMPLER:</b><br>Kyle Twombly                                                                                                                    |                                    |
| <b>POTENTIAL SAMPLE INTERFERENCES:</b><br>1. Operation of vehicles within the garage and parking lot<br>2. Groundwater intrusion within the sampling tube | <b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b><br>Clear, 65-80 Degrees F, winds SW at 10-15 mph, 30.03" Hg, 24% humidity |                                    |

**METHOD OF INSTALLATION AND PURGING:**  
AARCO advanced a borehole at the soil boring location to 6 feet bgs to install the soil vapor point.#2 sand was backfilled around and above the point to a depth of 1 feet below grade surface and the remainder of the borehole was sealed with hydrated bentonite powder to grade. A multirae PID set to low was used to purge the soil vapor point and collect an initial PID reading.

|                                                                                                 |                                                                                       |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>TUBING TYPE/DIAMETER:</b><br>1/4-inch telfon tubing                                          | <b>TYPE OF MATERIAL ABOVE SEAL:</b><br>Hydrated Bentonite                             |
| <b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b><br>Polyethylene vapor implant/ 1.875-inch/ 0.5-inch | <b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b><br>Hydrated Bentonite |
| <b>BOREHOLE DIAMETER:</b><br>2-inch                                                             | <b>FILTER PACK MATERIAL (Sand or Glass Beads):</b><br>#2 Sand                         |

|                                                                                     |                   |                                                                                    |         |             |                           |
|-------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------|---------|-------------|---------------------------|
| PURGE VOLUME (L):                                                                   | 0.60              | IMPLANT/PROBE DETAILS                                                              |         | DEPTH       | NOTES                     |
| PURGE FLOW RATE (ML/MIN):                                                           | 150 (4 min)       | (SEAL, FILTER, ETC.)                                                               |         | (FEET FROM  |                           |
| PID AFTER PURGE (PPM):                                                              | 5.5               | SURFACE                                                                            | SURFACE | SURFACE)    |                           |
| HELIUM TEST IN BUCKET(%):                                                           | 12.5% 13.9%       |  |         | 0           | Hydrated Bentonite Powder |
| HELIUM TEST IN TUBE (PPM):                                                          | 0.0% 0.0%         |                                                                                    |         |             |                           |
| SAMPLE START DATE/TIME:                                                             | 4/25/2018 / 10:10 |                                                                                    |         |             |                           |
| SAMPLE STOP DATE/TIME:                                                              | 4/25/2018 / 12:10 |                                                                                    |         |             |                           |
| TOTAL SAMPLE TIME (MIN):                                                            | 120               |                                                                                    |         |             |                           |
| FLOW RATE (mL/MIN):                                                                 | 38.3              |                                                                                    |         | Top of Seal |                           |
| VOLUME OF SAMPLE (LITERS):                                                          | 6                 |                                                                                    |         | Top of Pack |                           |
| PID AFTER SAMPLE (PPM):                                                             | 3.5               |                                                                                    |         | 1           |                           |
| SAMPLE MOISTURE CONTENT:                                                            | NA                |                                                                                    |         |             |                           |
| CAN SERIAL NUMBER:                                                                  | 1644              |                                                                                    |         |             |                           |
| REGULATOR SERIAL NUMBER:                                                            | 0792              |                                                                                    |         |             |                           |
| CAN START VACUUM PRESS. (" HG):                                                     | 28.96             |                                                                                    |         |             |                           |
| CAN STOP VACUUM PRESS. (" HG):                                                      | 6.93              |                                                                                    |         |             | #2 Sand                   |
| SAMPLE LOCATION SKETCH                                                              |                   |                                                                                    |         |             |                           |
|  |                   |                                                                                    |         | 6           | SV Implant                |

## SAMPLE LOCATION SKETCH



## NOTES

SV03 was originally installed to about 10 feet bgs. SV03 had to be re-installed to about 6 feet bgs because excessive moisture had accumulated in the sampling tube. The vapor point was re-sampled on 4/25/2018.

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Sample Number: SV04\_042618

|                                                                                                      |                                                                                                                                                    |                                    |
|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>PROJECT:</b><br>551 Greenwich Street                                                              | <b>PROJECT NO.:</b><br>190043701                                                                                                                   |                                    |
| <b>LOCATION:</b><br>551 Greenwich Street, Manhattan NY                                               | <b>SURFACE ELEVATION AND DATUM:</b><br>NA                                                                                                          |                                    |
| <b>DRILLING FIRM OR LANGAN INSTALLER:</b><br>AARCO Environmental Services Corp.                      | <b>INSTALLATION DATE STARTED:</b><br>4/25/2018                                                                                                     | <b>DATE FINISHED:</b><br>4/25/2018 |
| <b>INSTALLATION FOREMAN:</b><br>Adam Hutchinson                                                      | <b>SAMPLE DATE STARTED:</b><br>4/26/2018                                                                                                           | <b>DATE FINISHED:</b><br>4/26/2018 |
| <b>INSTALLATION EQUIPMENT:</b><br>Geoprobe 7822 DT                                                   | <b>TYPE OF SAMPLING DEVICE:</b><br>2.7-L Summa Canister                                                                                            |                                    |
| <b>INSPECTOR:</b><br>Kyle Twombly                                                                    | <b>SAMPLER:</b><br>Kyle Twombly                                                                                                                    |                                    |
| <b>POTENTIAL SAMPLE INTERFERENCES:</b><br>1. Operation of vehicles within the garage and parking lot | <b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b><br>Clear, 65-80 Degrees F, winds SW at 10-15 mph, 30.03" Hg, 24% humidity |                                    |

AARCO advanced a borehole at the soil boring location to 12 feet bgs to install the soil vapor point. #2 sand was backfilled around and above the point to a depth of 2 feet below grade surface and the remainder of the borehole was sealed with hydrated bentonite powder to grade. A multirae PID set to low was used to purge the soil vapor point and collect an initial PID reading.

|                                                                                                 |                                                                                       |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>TUBING TYPE/DIAMETER:</b><br>1/4-inch telfon tubing                                          | <b>TYPE OF MATERIAL ABOVE SEAL:</b><br>Hydrated Bentonite                             |
| <b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b><br>Polyethylene vapor implant/ 1.875-inch/ 0.5-inch | <b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b><br>Hydrated Bentonite |
| <b>BOREHOLE DIAMETER:</b><br>2-inch                                                             | <b>FILTER PACK MATERIAL (Sand or Glass Beads):</b><br>#2 Sand                         |

|                                 |                   |                                               |         |                              |       |
|---------------------------------|-------------------|-----------------------------------------------|---------|------------------------------|-------|
| PURGE VOLUME (L):               | 0.75              | IMPLANT/PROBE DETAILS<br>(SEAL, FILTER, ETC.) |         | DEPTH<br>(FEET FROM SURFACE) | NOTES |
| PURGE FLOW RATE (ML/MIN):       | 150 (5 min)       |                                               |         |                              |       |
| PID AFTER PURGE (PPM):          | 0                 | SURFACE                                       | SURFACE |                              |       |
| HELIUM TEST IN BUCKET(%):       | 17.5% 14.3%       |                                               | 0       | Hydrated Bentonite Powder    |       |
| HELIUM TEST IN TUBE (PPM):      | 125ppm 0.0%       |                                               |         |                              |       |
| SAMPLE START DATE/TIME:         | 4/26/18 / 9:00    |                                               |         |                              |       |
| SAMPLE STOP DATE/TIME:          | 4/26/2018 / 11:00 |                                               |         |                              |       |
| TOTAL SAMPLE TIME (MIN):        | 120               |                                               |         |                              |       |
| FLOW RATE (mL/MIN):             | 17.9              |                                               |         |                              |       |
| VOLUME OF SAMPLE (LITERS):      | 2.7               |                                               |         |                              |       |
| PID AFTER SAMPLE (PPM):         | 0                 |                                               |         |                              |       |
| SAMPLE MOISTURE CONTENT:        | NA                |                                               |         |                              |       |
| CAN SERIAL NUMBER:              | 262               |                                               |         |                              |       |
| REGULATOR SERIAL NUMBER:        | 0235              | 2                                             | #2 Sand |                              |       |
| CAN START VACUUM PRESS. (" HG): | 28.73             |                                               |         |                              |       |
| CAN STOP VACUUM PRESS. (" HG):  | 5.92              |                                               |         |                              |       |

| IMPLANT/PROBE DETAILS<br>(SEAL, FILTER, ETC.) |  | DEPTH<br>(FEET FROM<br>SURFACE) | NOTES                     |
|-----------------------------------------------|--|---------------------------------|---------------------------|
|                                               |  | 0                               | Hydrated Bentonite Powder |
|                                               |  | 2                               | #2 Sand                   |
|                                               |  | 12                              | SV Implant                |

[illegible]

Page 5 of 8

# SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV05\_042518

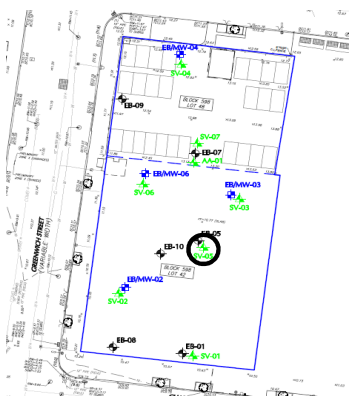
|                                                                                                                                                           |                                                                                                                                                    |                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>PROJECT:</b><br>551 Greenwich Street                                                                                                                   | <b>PROJECT NO.:</b><br>190043701                                                                                                                   |                                    |
| <b>LOCATION:</b><br>551 Greenwich Street, Manhattan NY                                                                                                    | <b>SURFACE ELEVATION AND DATUM:</b><br>NA                                                                                                          |                                    |
| <b>DRILLING FIRM OR LANGAN INSTALLER:</b><br>AARCO Environmental Services Corp.                                                                           | <b>INSTALLATION DATE STARTED:</b><br>4/25/2018                                                                                                     | <b>DATE FINISHED:</b><br>4/25/2018 |
| <b>INSTALLATION FOREMAN:</b><br>Adam Hutchinson                                                                                                           | <b>SAMPLE DATE STARTED:</b><br>4/25/2018                                                                                                           | <b>DATE FINISHED:</b><br>4/25/2018 |
| <b>INSTALLATION EQUIPMENT:</b><br>Geoprobe 7822 DT                                                                                                        | <b>TYPE OF SAMPLING DEVICE:</b><br>6-L Summa Canister                                                                                              |                                    |
| <b>INSPECTOR:</b><br>Kyle Twombly                                                                                                                         | <b>SAMPLER:</b><br>Kyle Twombly                                                                                                                    |                                    |
| <b>POTENTIAL SAMPLE INTERFERENCES:</b><br>1. Operation of vehicles within the garage and parking lot<br>2. Groundwater intrusion within the sampling tube | <b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b><br>Clear, 65-80 Degrees F, winds SW at 10-15 mph, 30.03" Hg, 24% humidity |                                    |

**METHOD OF INSTALLATION AND PURGING:**  
AARCO advanced a borehole at the soil boring location to 6 feet bgs to install the soil vapor point.#2 sand was backfilled around and above the point to a depth of 1 feet below grade surface and the remainder of the borehole was sealed with hydrated bentonite powder to grade. A multirae PID set to low was used to purge the soil vapor point and collect an initial PID reading.

|                                                                                                 |                                                                                       |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>TUBING TYPE/DIAMETER:</b><br>1/4-inch telfon tubing                                          | <b>TYPE OF MATERIAL ABOVE SEAL:</b><br>Hydrated Bentonite                             |
| <b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b><br>Polyethylene vapor implant/ 1.875-inch/ 0.5-inch | <b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b><br>Hydrated Bentonite |
| <b>BOREHOLE DIAMETER:</b><br>2-inch                                                             | <b>FILTER PACK MATERIAL (Sand or Glass Beads):</b><br>#2 Sand                         |

|                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| PURGE VOLUME (L): | 0.60 | <div>IMPLANT/PROBE DETAILS<br/>(SEAL, FILTER, ETC.)</div> <div><div><div>SURFACE</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div><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## SAMPLE LOCATION SKETCH



## NOTES

SV05 was originally installed to about 10 feet bgs. SV05 had to be re-installed to about 6 feet bgs because excessive moisture had accumulated in the sampling tube. The vapor point was re-sampled on 4/25/2018.

**Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727



# SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV06\_042518

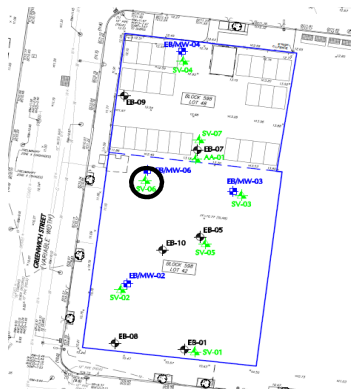
|                                                                                                      |                                                                                                                                                    |                                    |
|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>PROJECT:</b><br>551 Greenwich Street                                                              | <b>PROJECT NO.:</b><br>190043701                                                                                                                   |                                    |
| <b>LOCATION:</b><br>551 Greenwich Street, Manhattan NY                                               | <b>SURFACE ELEVATION AND DATUM:</b><br>NA                                                                                                          |                                    |
| <b>DRILLING FIRM OR LANGAN INSTALLER:</b><br>AARCO Environmental Services Corp.                      | <b>INSTALLATION DATE STARTED:</b><br>4/24/2018                                                                                                     | <b>DATE FINISHED:</b><br>4/24/2018 |
| <b>INSTALLATION FOREMAN:</b><br>Adam Hutchinson                                                      | <b>SAMPLE DATE STARTED:</b><br>4/25/2018                                                                                                           | <b>DATE FINISHED:</b><br>4/25/2018 |
| <b>INSTALLATION EQUIPMENT:</b><br>Geoprobe 7822 DT                                                   | <b>TYPE OF SAMPLING DEVICE:</b><br>6-L Summa Canister                                                                                              |                                    |
| <b>INSPECTOR:</b><br>Kyle Twombly                                                                    | <b>SAMPLER:</b><br>Kyle Twombly                                                                                                                    |                                    |
| <b>POTENTIAL SAMPLE INTERFERENCES:</b><br>1. Operation of vehicles within the garage and parking lot | <b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b><br>Clear, 65-80 Degrees F, winds SW at 10-15 mph, 30.03" Hg, 24% humidity |                                    |

**METHOD OF INSTALLATION AND PURGING:**  
AARCO advanced a borehole at the soil boring location to 10 feet bgs to install the soil vapor point. #2 sand was backfilled around and above the point to a depth of 1 foot below grade surface and the remainder of the borehole was sealed with hydrated bentonite powder to grade. A multirae PID set to low was used to purge the soil vapor point and collect an initial PID reading.

|                                                                                                 |                                                                                       |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>TUBING TYPE/DIAMETER:</b><br>1/4-inch teflon tubing                                          | <b>TYPE OF MATERIAL ABOVE SEAL:</b><br>Hydrated Bentonite                             |
| <b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b><br>Polyethylene vapor implant/ 1.875-inch/ 0.5-inch | <b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b><br>Hydrated Bentonite |
| <b>BOREHOLE DIAMETER:</b><br>2-inch                                                             | <b>FILTER PACK MATERIAL (Sand or Glass Beads):</b><br>#2 Sand                         |

| PURGE VOLUME (L):               |  | 0.75              |  | IMPLANT/PROBE DETAILS<br>(SEAL, FILTER, ETC.) | DEPTH<br>(FEET FROM SURFACE) | NOTES                     |
|---------------------------------|--|-------------------|--|-----------------------------------------------|------------------------------|---------------------------|
| PURGE FLOW RATE (ML/MIN):       |  | 150 (5 min)       |  |                                               |                              |                           |
| PID AFTER PURGE (PPM):          |  | 21.3              |  | <p>Top of Seal</p> <p>Top of Pack</p>         | 0                            | Hydrated Bentonite Powder |
| HELIUM TEST IN BUCKET(%):       |  | 13.9% 14.1%       |  |                                               |                              |                           |
| HELIUM TEST IN TUBE (PPM):      |  | 0.0% 0.0%         |  |                                               |                              |                           |
| SAMPLE START DATE/TIME:         |  | 4/25/2018 / 10:10 |  |                                               |                              |                           |
| SAMPLE STOP DATE/TIME:          |  | 4/25/2018 / 12:10 |  |                                               | 1                            | #2 Sand                   |
| TOTAL SAMPLE TIME (MIN):        |  | 120               |  |                                               |                              |                           |
| FLOW RATE (mL/MIN):             |  | 40                |  |                                               |                              |                           |
| VOLUME OF SAMPLE (LITERS):      |  | 6                 |  |                                               |                              |                           |
| PID AFTER SAMPLE (PPM):         |  | 17.5              |  |                                               |                              |                           |
| SAMPLE MOISTURE CONTENT:        |  | NA                |  |                                               |                              |                           |
| CAN SERIAL NUMBER:              |  | 1672              |  |                                               | 10                           | SV Implant                |
| REGULATOR SERIAL NUMBER:        |  | 0971              |  |                                               |                              |                           |
| CAN START VACUUM PRESS. (" HG): |  | 29.96             |  |                                               |                              |                           |
| CAN STOP VACUUM PRESS. (" HG):  |  | 3.56              |  |                                               |                              |                           |

## SAMPLE LOCATION SKETCH



## NOTES

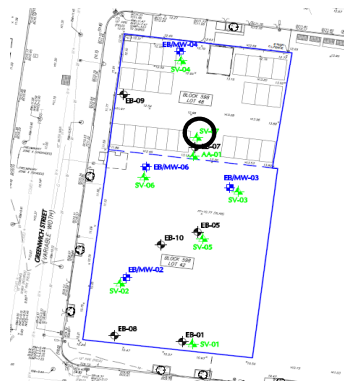
**Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

Sample Number: SV07\_042518

Sample Number: SV07\_042518

|                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>METHOD OF INSTALLATION AND PURGING:</b>                                                                                                                                                                                                                                                                                                                                                 |                                                                                       |
| AARCO advanced a borehole at the soil boring location to 12 feet bgs to install the soil vapor point.#2 sand was backfilled around and above the point to a depth of 2 feet below grade surface and the remainder of the borehole was sealed with hydrated bentonite powder to grade. A multirae PID set to low was used to purge the soil vapor point and collect an initial PID reading. |                                                                                       |
| <b>TUBING TYPE/DIAMETER:</b><br>1/4-inch telfon tubing                                                                                                                                                                                                                                                                                                                                     | <b>TYPE OF MATERIAL ABOVE SEAL:</b><br>Hydrated Bentonite                             |
| <b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b><br>Polyethylene vapor implant/ 1.875-inch/ 0.5-inch                                                                                                                                                                                                                                                                                            | <b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b><br>Hydrated Bentonite |
| <b>BOREHOLE DIAMETER:</b><br>2-inch                                                                                                                                                                                                                                                                                                                                                        | <b>FILTER PACK MATERIAL (Sand or Glass Beads):</b><br>#2 Sand                         |

| SAMPLE LOCATION SKETCH |  |    |            |  |
|------------------------|--|----|------------|--|
|                        |  | 12 | SV Implant |  |



## NOTES

**Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

# **APPENDIX H**

## **LABORATORY ANALYTICAL REPORTS**



## ANALYTICAL REPORT

|                 |                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------|
| Lab Number:     | L1814188                                                                                                        |
| Client:         | Langan Engineering & Environmental<br>21 Penn Plaza<br>360 W. 31st Street, 8th Floor<br>New York, NY 10001-2727 |
| ATTN:           | Paul McMahon                                                                                                    |
| Phone:          | (212) 479-5429                                                                                                  |
| Project Name:   | 551 GREENWICH STREET                                                                                            |
| Project Number: | 190043701                                                                                                       |
| Report Date:    | 04/30/18                                                                                                        |

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), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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



Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814188

Report Date: 04/30/18

| Alpha<br>Sample ID | Client ID   | Matrix | Sample<br>Location                     | Collection<br>Date/Time | Receive Date |
|--------------------|-------------|--------|----------------------------------------|-------------------------|--------------|
| L1814188-01        | EB-03_1-2   | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/23/18 13:20          | 04/23/18     |
| L1814188-02        | EB-03_16-17 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/23/18 13:30          | 04/23/18     |
| L1814188-03        | EB-03_23-24 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/23/18 13:40          | 04/23/18     |
| L1814188-04        | EB-04_0-1   | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/23/18 09:30          | 04/23/18     |
| L1814188-05        | EB-04_15-16 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/23/18 09:40          | 04/23/18     |
| L1814188-06        | EB-07_1-2   | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/23/18 10:35          | 04/23/18     |
| L1814188-07        | EB-07_14-15 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/23/18 11:10          | 04/23/18     |
| L1814188-08        | EB-09_3-4   | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/23/18 08:40          | 04/23/18     |
| L1814188-09        | EB-09_14-15 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/23/18 08:50          | 04/23/18     |
| L1814188-10        | FIELD BLANK | WATER  | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/23/18 13:45          | 04/23/18     |
| L1814188-11        | TRIP BLANK  | WATER  | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/23/18 00:00          | 04/23/18     |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814188  
**Report Date:** 04/30/18

### 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:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814188  
**Report Date:** 04/30/18

### 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

L1814188-11: A sample identified as "TRIP BLANK" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

#### Semivolatile Organics

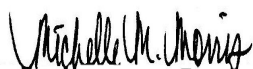
L1814188-04 and -06: The sample has elevated detection limits due to the dilution required by the sample matrix.

#### Total Metals

L1814188-01 through -09: 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.

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

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 04/30/18

# ORGANICS



# **VOLATILES**

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-01  
 Client ID: EB-03\_1-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:20  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 09:16  
 Analyst: MV  
 Percent Solids: 86%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 11  | 1.8  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 1.7 | 0.30 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 1.7 | 0.41 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.1 | 0.38 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 3.9 | 0.25 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.1 | 0.20 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 1.7 | 0.35 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.1 | 0.34 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.1 | 0.39 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 5.6 | 0.46 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.1 | 0.27 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.1 | 0.39 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.1 | 0.34 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.1 | 0.23 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.1 | 0.26 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.1 | 0.23 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 5.6 | 0.36 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 4.5 | 0.26 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.1 | 0.33 | 1               |
| Benzene                                          | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| Toluene                                          | ND     |           | ug/kg | 1.7 | 0.22 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 5.6 | 0.49 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 2.2 | 0.38 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 2.2 | 0.35 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 2.2 | 0.35 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.1 | 0.41 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 1.7 | 0.27 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-01**Date Collected:** 04/23/18 13:20**Client ID:** EB-03\_1-2**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.1 | 0.34 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 5.6 | 0.20 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 5.6 | 0.24 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 5.6 | 0.20 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 2.2 | 0.17 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 2.2 | 0.39 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 2.2 | 0.38 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 2.2 | 0.38 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.1 | 0.38 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.1 | 0.27 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 11  | 0.27 | 1               |
| Styrene                                          | ND     |           | ug/kg | 2.2 | 0.45 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 11  | 0.56 | 1               |
| Acetone                                          | ND     |           | ug/kg | 11  | 2.6  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 11  | 1.2  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 11  | 0.77 | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 11  | 0.17 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 11  | 0.27 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 11  | 0.20 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 11  | 0.74 | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 5.6 | 0.40 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 5.6 | 0.50 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 4.5 | 0.22 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 5.6 | 0.20 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.1 | 0.35 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 5.6 | 0.24 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.1 | 0.25 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.1 | 0.24 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 5.6 | 0.28 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 5.6 | 0.25 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 5.6 | 0.20 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 5.6 | 0.44 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 5.6 | 0.39 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 5.6 | 0.15 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 11  | 0.57 | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814188  
**Report Date:** 04/30/18

**SAMPLE RESULTS**

**Lab ID:** L1814188-01  
**Client ID:** EB-03\_1-2  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/23/18 13:20  
**Date Received:** 04/23/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.1 | 0.24 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 5.6 | 0.28 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 5.6 | 0.24 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 5.6 | 0.18 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 5.6 | 0.21 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 45  | 16.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 4.5 | 4.5  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 4.5 | 0.26 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 4.5 | 0.17 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 5.6 | 0.29 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 5.6 | 0.44 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 102        |           | 70-130              |
| Toluene-d8            | 91         |           | 70-130              |
| 4-Bromofluorobenzene  | 106        |           | 70-130              |
| Dibromofluoromethane  | 99         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-02  
 Client ID: EB-03\_16-17  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:30  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 09:42  
 Analyst: MV  
 Percent Solids: 90%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 15  | 2.5  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.2 | 0.40 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.2 | 0.56 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.5 | 0.52 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 5.2 | 0.34 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.5 | 0.26 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.2 | 0.47 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.5 | 0.45 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.5 | 0.52 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 7.5 | 0.63 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.5 | 0.37 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.5 | 0.52 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.5 | 0.46 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.5 | 0.31 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.5 | 0.35 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.5 | 0.31 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 7.5 | 0.49 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 6.0 | 0.36 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.5 | 0.45 | 1               |
| Benzene                                          | 3.1    |           | ug/kg | 1.5 | 0.29 | 1               |
| Toluene                                          | ND     |           | ug/kg | 2.2 | 0.29 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.5 | 0.26 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 7.5 | 0.65 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 3.0 | 0.51 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 3.0 | 0.47 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 3.0 | 0.47 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.5 | 0.56 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.2 | 0.36 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-02**Date Collected:** 04/23/18 13:30**Client ID:** EB-03\_16-17**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.5 | 0.45 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 7.5 | 0.27 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 7.5 | 0.33 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 7.5 | 0.27 | 1               |
| Methyl tert butyl ether                          | 0.62   | J         | ug/kg | 3.0 | 0.23 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 3.0 | 0.53 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 3.0 | 0.51 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 3.0 | 0.51 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.5 | 0.51 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.5 | 0.36 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 15  | 0.36 | 1               |
| Styrene                                          | ND     |           | ug/kg | 3.0 | 0.60 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 15  | 0.75 | 1               |
| Acetone                                          | 30     |           | ug/kg | 15  | 3.4  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 15  | 1.6  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 15  | 1.0  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 15  | 0.23 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 15  | 0.37 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 15  | 0.26 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 15  | 1.0  | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 7.5 | 0.54 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 7.5 | 0.68 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 6.0 | 0.30 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 7.5 | 0.27 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.5 | 0.48 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 7.5 | 0.33 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.5 | 0.34 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.5 | 0.32 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 7.5 | 0.37 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 7.5 | 0.33 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 7.5 | 0.27 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 7.5 | 0.59 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 7.5 | 0.52 | 1               |
| Isopropylbenzene                                 | 0.34   | J         | ug/kg | 1.5 | 0.29 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.5 | 0.30 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 7.5 | 0.21 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 15  | 0.77 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-02**Date Collected:** 04/23/18 13:30**Client ID:** EB-03\_16-17**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | 0.34   | J         | ug/kg | 1.5 | 0.32 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 7.5 | 0.38 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 7.5 | 0.32 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 7.5 | 0.24 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 7.5 | 0.28 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 60  | 22.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 6.0 | 6.0  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 6.0 | 0.35 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | 0.37   | J         | ug/kg | 6.0 | 0.23 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 7.5 | 0.39 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 7.5 | 0.59 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 103        |           | 70-130              |
| Toluene-d8            | 90         |           | 70-130              |
| 4-Bromofluorobenzene  | 106        |           | 70-130              |
| Dibromofluoromethane  | 99         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-03  
 Client ID: EB-03\_23-24  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:40  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 10:09  
 Analyst: MKS  
 Percent Solids: 79%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 20  | 3.4  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 3.0 | 0.55 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 3.0 | 0.75 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 2.0 | 0.70 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 7.1 | 0.46 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 2.0 | 0.36 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 3.0 | 0.64 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 2.0 | 0.61 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 2.0 | 0.71 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 10  | 0.85 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 2.0 | 0.50 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 2.0 | 0.71 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 2.0 | 0.62 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 2.0 | 0.42 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 2.0 | 0.47 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 2.0 | 0.42 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 10  | 0.67 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 8.1 | 0.48 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 2.0 | 0.60 | 1               |
| Benzene                                          | ND     |           | ug/kg | 2.0 | 0.39 | 1               |
| Toluene                                          | ND     |           | ug/kg | 3.0 | 0.40 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 2.0 | 0.34 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 10  | 0.88 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 4.1 | 0.69 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 4.1 | 0.64 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 4.1 | 0.64 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 2.0 | 0.76 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 3.0 | 0.49 | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-03**Date Collected:** 04/23/18 13:40**Client ID:** EB-03\_23-24**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 2.0 | 0.61 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 10  | 0.37 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 10  | 0.44 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 10  | 0.37 | 1               |
| Methyl tert butyl ether                          | 1.4    | J         | ug/kg | 4.1 | 0.31 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 4.1 | 0.71 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 4.1 | 0.69 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 4.1 | 0.69 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 2.0 | 0.69 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 2.0 | 0.49 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 20  | 0.48 | 1               |
| Styrene                                          | ND     |           | ug/kg | 4.1 | 0.81 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 20  | 1.0  | 1               |
| Acetone                                          | 8.9    | J         | ug/kg | 20  | 4.6  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 20  | 2.2  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 20  | 1.4  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 20  | 0.31 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 20  | 0.50 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 20  | 0.36 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 20  | 1.4  | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 10  | 0.72 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 10  | 0.91 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 8.1 | 0.40 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 10  | 0.37 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 2.0 | 0.64 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 10  | 0.44 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 2.0 | 0.46 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 2.0 | 0.44 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 10  | 0.50 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 10  | 0.45 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 10  | 0.37 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 10  | 0.80 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 10  | 0.71 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 2.0 | 0.39 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 2.0 | 0.41 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 10  | 0.28 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 20  | 1.0  | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814188  
**Report Date:** 04/30/18

**SAMPLE RESULTS**

**Lab ID:** L1814188-03  
**Client ID:** EB-03\_23-24  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/23/18 13:40  
**Date Received:** 04/23/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 2.0 | 0.44 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 10  | 0.51 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 10  | 0.44 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 10  | 0.33 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 10  | 0.38 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 81  | 29.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 8.1 | 8.1  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 8.1 | 0.48 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 8.1 | 0.32 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 10  | 0.53 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 10  | 0.80 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 101        |           | 70-130              |
| Toluene-d8            | 91         |           | 70-130              |
| 4-Bromofluorobenzene  | 107        |           | 70-130              |
| Dibromofluoromethane  | 98         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-04

Date Collected: 04/23/18 09:30

Client ID: EB-04\_0-1

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/26/18 10:37

Analyst: MKS

Percent Solids: 88%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 15  | 2.5  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.3 | 0.42 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.3 | 0.57 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.5 | 0.53 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 5.4 | 0.35 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.5 | 0.27 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.3 | 0.48 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.5 | 0.46 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.5 | 0.54 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 7.7 | 0.64 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.5 | 0.38 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.5 | 0.54 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.5 | 0.48 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.5 | 0.32 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.5 | 0.36 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.5 | 0.32 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 7.7 | 0.50 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 6.2 | 0.36 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.5 | 0.46 | 1               |
| Benzene                                          | ND     |           | ug/kg | 1.5 | 0.30 | 1               |
| Toluene                                          | ND     |           | ug/kg | 2.3 | 0.30 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.5 | 0.26 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 7.7 | 0.67 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 3.1 | 0.52 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 3.1 | 0.48 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 3.1 | 0.49 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.5 | 0.57 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.3 | 0.37 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-04**Date Collected:** 04/23/18 09:30**Client ID:** EB-04\_0-1**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.5 | 0.46 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 7.7 | 0.28 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 7.7 | 0.34 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 7.7 | 0.28 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 3.1 | 0.24 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 3.1 | 0.54 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 3.1 | 0.52 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 3.1 | 0.52 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.5 | 0.53 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.5 | 0.37 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 15  | 0.37 | 1               |
| Styrene                                          | ND     |           | ug/kg | 3.1 | 0.62 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 15  | 0.77 | 1               |
| Acetone                                          | ND     |           | ug/kg | 15  | 3.5  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 15  | 1.7  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 15  | 1.1  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 15  | 0.24 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 15  | 0.38 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 15  | 0.27 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 15  | 1.0  | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 7.7 | 0.55 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 7.7 | 0.69 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 6.2 | 0.31 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 7.7 | 0.28 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.5 | 0.49 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 7.7 | 0.34 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.5 | 0.35 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.5 | 0.33 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 7.7 | 0.38 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 7.7 | 0.34 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 7.7 | 0.28 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 7.7 | 0.61 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 7.7 | 0.54 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.5 | 0.30 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.5 | 0.31 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 7.7 | 0.21 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 15  | 0.79 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-04**Date Collected:** 04/23/18 09:30**Client ID:** EB-04\_0-1**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.5 | 0.33 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 7.7 | 0.39 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 7.7 | 0.33 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 7.7 | 0.25 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 7.7 | 0.29 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 62  | 22.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 6.2 | 6.2  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 6.2 | 0.36 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 6.2 | 0.24 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 7.7 | 0.40 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 7.7 | 0.60 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 103        |           | 70-130              |
| Toluene-d8            | 91         |           | 70-130              |
| 4-Bromofluorobenzene  | 106        |           | 70-130              |
| Dibromofluoromethane  | 99         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-05  
 Client ID: EB-04\_15-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 09:40  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 11:04  
 Analyst: MKS  
 Percent Solids: 89%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 10  | 1.7  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 1.6 | 0.28 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 1.6 | 0.38 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.0 | 0.36 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 3.6 | 0.24 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 1.6 | 0.33 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.0 | 0.31 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.0 | 0.36 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 5.2 | 0.43 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.0 | 0.26 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.0 | 0.36 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.0 | 0.32 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.0 | 0.22 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.0 | 0.24 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.0 | 0.22 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 5.2 | 0.34 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 4.2 | 0.25 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.0 | 0.31 | 1               |
| Benzene                                          | ND     |           | ug/kg | 1.0 | 0.20 | 1               |
| Toluene                                          | ND     |           | ug/kg | 1.6 | 0.20 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 5.2 | 0.45 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 2.1 | 0.35 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 2.1 | 0.33 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 2.1 | 0.33 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.0 | 0.39 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 1.6 | 0.25 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-05**Date Collected:** 04/23/18 09:40**Client ID:** EB-04\_15-16**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.0 | 0.31 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 5.2 | 0.19 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 5.2 | 0.23 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 5.2 | 0.19 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 2.1 | 0.16 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 2.1 | 0.36 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 2.1 | 0.35 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 2.1 | 0.35 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.0 | 0.36 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.0 | 0.25 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 10  | 0.25 | 1               |
| Styrene                                          | ND     |           | ug/kg | 2.1 | 0.42 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 10  | 0.52 | 1               |
| Acetone                                          | 8.2    | J         | ug/kg | 10  | 2.4  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 10  | 1.1  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 10  | 0.72 | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 10  | 0.16 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 10  | 0.25 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 10  | 0.18 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 10  | 0.69 | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 5.2 | 0.37 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 5.2 | 0.47 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 4.2 | 0.21 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 5.2 | 0.19 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.0 | 0.33 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 5.2 | 0.23 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.0 | 0.24 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.0 | 0.23 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 5.2 | 0.26 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 5.2 | 0.23 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 5.2 | 0.19 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 5.2 | 0.41 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 5.2 | 0.36 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.0 | 0.20 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.0 | 0.21 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 5.2 | 0.14 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 10  | 0.54 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-05**Date Collected:** 04/23/18 09:40**Client ID:** EB-04\_15-16**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.0 | 0.22 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 5.2 | 0.26 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 5.2 | 0.22 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 5.2 | 0.17 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 5.2 | 0.19 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 42  | 15.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 4.2 | 4.2  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 4.2 | 0.24 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 4.2 | 0.16 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 5.2 | 0.27 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 5.2 | 0.41 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 104        |           | 70-130              |
| Toluene-d8            | 89         |           | 70-130              |
| 4-Bromofluorobenzene  | 107        |           | 70-130              |
| Dibromofluoromethane  | 101        |           | 70-130              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-06  
 Client ID: EB-07\_1-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 10:35  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 11:32  
 Analyst: MKS  
 Percent Solids: 89%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 12  | 2.1  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 1.9 | 0.34 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 1.9 | 0.46 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.2 | 0.43 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 4.4 | 0.28 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.2 | 0.22 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 1.9 | 0.39 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.2 | 0.38 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.2 | 0.44 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 6.3 | 0.52 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.2 | 0.31 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.2 | 0.44 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.2 | 0.39 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.2 | 0.26 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.2 | 0.29 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.2 | 0.26 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 6.3 | 0.41 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 5.0 | 0.30 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.2 | 0.37 | 1               |
| Benzene                                          | ND     |           | ug/kg | 1.2 | 0.24 | 1               |
| Toluene                                          | ND     |           | ug/kg | 1.9 | 0.24 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.2 | 0.21 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 6.3 | 0.55 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 2.5 | 0.42 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 2.5 | 0.40 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 2.5 | 0.40 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.2 | 0.47 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 1.9 | 0.30 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-06**Date Collected:** 04/23/18 10:35**Client ID:** EB-07\_1-2**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.2 | 0.38 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 6.3 | 0.23 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 6.3 | 0.27 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 6.3 | 0.23 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 2.5 | 0.19 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 2.5 | 0.44 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 2.5 | 0.42 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 2.5 | 0.42 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.2 | 0.43 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.2 | 0.30 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 12  | 0.30 | 1               |
| Styrene                                          | ND     |           | ug/kg | 2.5 | 0.50 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 12  | 0.63 | 1               |
| Acetone                                          | 72     |           | ug/kg | 12  | 2.9  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 12  | 1.4  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 12  | 0.86 | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 12  | 0.19 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 12  | 0.30 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 12  | 0.22 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 12  | 0.84 | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 6.3 | 0.45 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 6.3 | 0.56 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 5.0 | 0.25 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 6.3 | 0.23 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.2 | 0.40 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 6.3 | 0.27 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.2 | 0.28 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.2 | 0.27 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 6.3 | 0.31 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 6.3 | 0.28 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 6.3 | 0.23 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 6.3 | 0.50 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 6.3 | 0.44 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.2 | 0.24 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.2 | 0.25 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 6.3 | 0.17 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 12  | 0.64 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-06**Date Collected:** 04/23/18 10:35**Client ID:** EB-07\_1-2**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.2 | 0.27 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 6.3 | 0.31 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 6.3 | 0.27 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 6.3 | 0.20 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 6.3 | 0.23 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 50  | 18.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 5.0 | 5.0  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 5.0 | 0.29 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 5.0 | 0.20 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 6.3 | 0.33 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 6.3 | 0.49 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 104        |           | 70-130              |
| Toluene-d8            | 91         |           | 70-130              |
| 4-Bromofluorobenzene  | 109        |           | 70-130              |
| Dibromofluoromethane  | 100        |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-07  
 Client ID: EB-07\_14-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 11:10  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 11:59  
 Analyst: MKS  
 Percent Solids: 72%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 14  | 2.3  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.1 | 0.37 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.1 | 0.51 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.4 | 0.48 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 4.8 | 0.32 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.4 | 0.24 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.1 | 0.43 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.4 | 0.42 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.4 | 0.48 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 6.9 | 0.58 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.4 | 0.34 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.4 | 0.48 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.4 | 0.43 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.4 | 0.29 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.4 | 0.32 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.4 | 0.29 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 6.9 | 0.45 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 5.5 | 0.33 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.4 | 0.41 | 1               |
| Benzene                                          | ND     |           | ug/kg | 1.4 | 0.27 | 1               |
| Toluene                                          | ND     |           | ug/kg | 2.1 | 0.27 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.4 | 0.24 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 6.9 | 0.60 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 2.8 | 0.47 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 2.8 | 0.44 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 2.8 | 0.44 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.4 | 0.52 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.1 | 0.33 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-07**Date Collected:** 04/23/18 11:10**Client ID:** EB-07\_14-15**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.4 | 0.42 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 6.9 | 0.25 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 6.9 | 0.30 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 6.9 | 0.25 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 2.8 | 0.21 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 2.8 | 0.49 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 2.8 | 0.47 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 2.8 | 0.47 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.4 | 0.47 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.4 | 0.33 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 14  | 0.33 | 1               |
| Styrene                                          | ND     |           | ug/kg | 2.8 | 0.56 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 14  | 0.69 | 1               |
| Acetone                                          | 19     |           | ug/kg | 14  | 3.2  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 14  | 1.5  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 14  | 0.96 | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 14  | 0.21 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 14  | 0.34 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 14  | 0.24 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 14  | 0.92 | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 6.9 | 0.49 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 6.9 | 0.62 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 5.5 | 0.28 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 6.9 | 0.25 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.4 | 0.44 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 6.9 | 0.30 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.4 | 0.32 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.4 | 0.30 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 6.9 | 0.34 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 6.9 | 0.31 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 6.9 | 0.25 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 6.9 | 0.55 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 6.9 | 0.48 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.4 | 0.27 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.4 | 0.28 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 6.9 | 0.19 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 14  | 0.71 | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814188  
**Report Date:** 04/30/18

**SAMPLE RESULTS**

**Lab ID:** L1814188-07  
**Client ID:** EB-07\_14-15  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/23/18 11:10  
**Date Received:** 04/23/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.4 | 0.30 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 6.9 | 0.35 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 6.9 | 0.30 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 6.9 | 0.22 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 6.9 | 0.26 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 55  | 20.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 5.5 | 5.5  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 5.5 | 0.32 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 5.5 | 0.22 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 6.9 | 0.36 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 6.9 | 0.54 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 102        |           | 70-130              |
| Toluene-d8            | 91         |           | 70-130              |
| 4-Bromofluorobenzene  | 108        |           | 70-130              |
| Dibromofluoromethane  | 99         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-08

Date Collected: 04/23/18 08:40

Client ID: EB-09\_3-4

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/26/18 14:09

Analyst: MV

Percent Solids: 87%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |     |                 |
| Methylene chloride                               | ND     |           | ug/kg | 910 | 150 | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 140 | 25. | 1               |
| Chloroform                                       | ND     |           | ug/kg | 140 | 34. | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 91  | 32. | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 320 | 21. | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 91  | 16. | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 140 | 29. | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 91  | 28. | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 91  | 32. | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 460 | 38. | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 91  | 22. | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 91  | 32. | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 91  | 28. | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 91  | 19. | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 91  | 21. | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 91  | 19. | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 460 | 30. | 1               |
| Bromoform                                        | ND     |           | ug/kg | 360 | 22. | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 91  | 27. | 1               |
| Benzene                                          | ND     |           | ug/kg | 91  | 18. | 1               |
| Toluene                                          | ND     |           | ug/kg | 140 | 18. | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 91  | 16. | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 460 | 40. | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 180 | 29. | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 180 | 29. | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 91  | 34. | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 140 | 22. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-08**Date Collected:** 04/23/18 08:40**Client ID:** EB-09\_3-4**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |     |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 91  | 28. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 460 | 17. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 460 | 20. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 460 | 17. | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 180 | 14. | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 180 | 32. | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 180 | 31. | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 180 | 31. | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 91  | 31. | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 91  | 22. | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 910 | 22. | 1               |
| Styrene                                          | ND     |           | ug/kg | 180 | 37. | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 910 | 46. | 1               |
| Acetone                                          | ND     |           | ug/kg | 910 | 210 | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 910 | 100 | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 910 | 63. | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 910 | 14. | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 910 | 22. | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 910 | 16. | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 910 | 61. | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 460 | 33. | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 460 | 41. | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 360 | 18. | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 460 | 17. | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 91  | 29. | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 460 | 20. | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 91  | 21. | 1               |
| sec-Butylbenzene                                 | 21     | J         | ug/kg | 91  | 20. | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 460 | 23. | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 460 | 20. | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 460 | 17. | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 460 | 36. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 460 | 32. | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 91  | 18. | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 91  | 18. | 1               |
| Naphthalene                                      | 9800   |           | ug/kg | 460 | 13. | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 910 | 47. | 1               |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814188  
**Report Date:** 04/30/18

**SAMPLE RESULTS**

**Lab ID:** L1814188-08  
**Client ID:** EB-09\_3-4  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/23/18 08:40  
**Date Received:** 04/23/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |      |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 91   | 20.  | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 460  | 23.  | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 460  | 20.  | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 460  | 15.  | 1               |
| 1,2,4-Trimethylbenzene                           | 26     | J         | ug/kg | 460  | 17.  | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 3600 | 1300 | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 360  | 360  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 360  | 21.  | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 360  | 14.  | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 460  | 24.  | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 460  | 36.  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 100        |           | 70-130              |
| Toluene-d8            | 95         |           | 70-130              |
| 4-Bromofluorobenzene  | 86         |           | 70-130              |
| Dibromofluoromethane  | 98         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-09  
 Client ID: EB-09\_14-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 08:50  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 12:27  
 Analyst: MKS  
 Percent Solids: 79%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 12  | 2.0  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 1.8 | 0.32 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 1.8 | 0.44 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.2 | 0.41 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 4.2 | 0.27 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.2 | 0.21 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 1.8 | 0.37 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.2 | 0.36 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.2 | 0.42 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 6.0 | 0.50 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.2 | 0.29 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.2 | 0.42 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.2 | 0.37 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.2 | 0.25 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.2 | 0.28 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.2 | 0.25 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 6.0 | 0.39 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 4.8 | 0.28 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.2 | 0.36 | 1               |
| Benzene                                          | ND     |           | ug/kg | 1.2 | 0.23 | 1               |
| Toluene                                          | ND     |           | ug/kg | 1.8 | 0.23 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.2 | 0.20 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 6.0 | 0.52 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 2.4 | 0.40 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 2.4 | 0.38 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 2.4 | 0.38 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.2 | 0.44 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 1.8 | 0.29 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-09**Date Collected:** 04/23/18 08:50**Client ID:** EB-09\_14-15**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.2 | 0.36 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 6.0 | 0.22 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 6.0 | 0.26 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 6.0 | 0.22 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 2.4 | 0.18 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 2.4 | 0.42 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 2.4 | 0.40 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 2.4 | 0.40 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.2 | 0.41 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.2 | 0.29 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 12  | 0.29 | 1               |
| Styrene                                          | ND     |           | ug/kg | 2.4 | 0.48 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 12  | 0.60 | 1               |
| Acetone                                          | 8.5    | J         | ug/kg | 12  | 2.7  | 1               |
| Carbon disulfide                                 | 1.5    | J         | ug/kg | 12  | 1.3  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 12  | 0.83 | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 12  | 0.18 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 12  | 0.29 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 12  | 0.21 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 12  | 0.80 | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 6.0 | 0.43 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 6.0 | 0.54 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 4.8 | 0.24 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 6.0 | 0.22 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.2 | 0.38 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 6.0 | 0.26 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.2 | 0.27 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.2 | 0.26 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 6.0 | 0.30 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 6.0 | 0.26 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 6.0 | 0.22 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 6.0 | 0.47 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 6.0 | 0.42 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.2 | 0.23 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.2 | 0.24 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 6.0 | 0.16 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 12  | 0.62 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-09**Date Collected:** 04/23/18 08:50**Client ID:** EB-09\_14-15**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.2 | 0.26 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 6.0 | 0.30 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 6.0 | 0.26 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 6.0 | 0.19 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 6.0 | 0.22 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 48  | 17.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 4.8 | 4.8  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 4.8 | 0.28 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 4.8 | 0.19 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 6.0 | 0.31 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 6.0 | 0.47 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 102        |           | 70-130              |
| Toluene-d8            | 90         |           | 70-130              |
| 4-Bromofluorobenzene  | 106        |           | 70-130              |
| Dibromofluoromethane  | 99         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-10  
 Client ID: FIELD BLANK  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:45  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 04/27/18 01:39  
 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:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-10**Date Collected:** 04/23/18 13:45**Client ID:** FIELD BLANK**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, 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                                      | 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:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-10**Date Collected:** 04/23/18 13:45**Client ID:** FIELD BLANK**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, 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 | 133        | Q         | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 112        |           | 70-130              |
| Dibromofluoromethane  | 118        |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-11  
 Client ID: TRIP BLANK  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 00:00  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/27/18 02:09

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:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-11**Date Collected:** 04/23/18 00:00**Client ID:** TRIP BLANK**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, 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                                      | 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:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814188  
**Report Date:** 04/30/18

**SAMPLE RESULTS**

**Lab ID:** L1814188-11  
**Client ID:** TRIP BLANK  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/23/18 00:00  
**Date Received:** 04/23/18  
**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 | 133        | Q         | 70-130              |
| Toluene-d8            | 97         |           | 70-130              |
| 4-Bromofluorobenzene  | 112        |           | 70-130              |
| Dibromofluoromethane  | 118        |           | 70-130              |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 08:49  
 Analyst: MKS

| Parameter                                                                                   | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07,09 Batch: WG1110033-5 |        |           |       |     |      |
| Methylene chloride                                                                          | ND     |           | ug/kg | 10  | 1.6  |
| 1,1-Dichloroethane                                                                          | ND     |           | ug/kg | 1.5 | 0.27 |
| Chloroform                                                                                  | ND     |           | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride                                                                        | ND     |           | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloropropane                                                                         | ND     |           | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane                                                                        | ND     |           | ug/kg | 1.0 | 0.18 |
| 1,1,2-Trichloroethane                                                                       | ND     |           | ug/kg | 1.5 | 0.31 |
| Tetrachloroethene                                                                           | ND     |           | ug/kg | 1.0 | 0.30 |
| Chlorobenzene                                                                               | ND     |           | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane                                                                      | ND     |           | ug/kg | 5.0 | 0.42 |
| 1,2-Dichloroethane                                                                          | ND     |           | ug/kg | 1.0 | 0.25 |
| 1,1,1-Trichloroethane                                                                       | ND     |           | ug/kg | 1.0 | 0.35 |
| Bromodichloromethane                                                                        | ND     |           | ug/kg | 1.0 | 0.31 |
| trans-1,3-Dichloropropene                                                                   | ND     |           | ug/kg | 1.0 | 0.21 |
| cis-1,3-Dichloropropene                                                                     | ND     |           | ug/kg | 1.0 | 0.23 |
| 1,3-Dichloropropene, Total                                                                  | ND     |           | ug/kg | 1.0 | 0.21 |
| 1,1-Dichloropropene                                                                         | ND     |           | ug/kg | 5.0 | 0.33 |
| Bromoform                                                                                   | ND     |           | ug/kg | 4.0 | 0.24 |
| 1,1,2,2-Tetrachloroethane                                                                   | ND     |           | ug/kg | 1.0 | 0.30 |
| Benzene                                                                                     | ND     |           | ug/kg | 1.0 | 0.19 |
| Toluene                                                                                     | ND     |           | ug/kg | 1.5 | 0.20 |
| Ethylbenzene                                                                                | ND     |           | ug/kg | 1.0 | 0.17 |
| Chloromethane                                                                               | ND     |           | ug/kg | 5.0 | 0.44 |
| Bromomethane                                                                                | ND     |           | ug/kg | 2.0 | 0.34 |
| Vinyl chloride                                                                              | ND     |           | ug/kg | 2.0 | 0.32 |
| Chloroethane                                                                                | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene                                                                          | ND     |           | ug/kg | 1.0 | 0.37 |
| trans-1,2-Dichloroethene                                                                    | ND     |           | ug/kg | 1.5 | 0.24 |
| Trichloroethene                                                                             | ND     |           | ug/kg | 1.0 | 0.30 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 08:49  
 Analyst: MKS

| Parameter                                                                                   | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07,09 Batch: WG1110033-5 |        |           |       |     |      |
| 1,2-Dichlorobenzene                                                                         | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene                                                                         | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,4-Dichlorobenzene                                                                         | ND     |           | ug/kg | 5.0 | 0.18 |
| Methyl tert butyl ether                                                                     | ND     |           | ug/kg | 2.0 | 0.15 |
| p/m-Xylene                                                                                  | ND     |           | ug/kg | 2.0 | 0.35 |
| o-Xylene                                                                                    | ND     |           | ug/kg | 2.0 | 0.34 |
| Xylenes, Total                                                                              | ND     |           | ug/kg | 2.0 | 0.34 |
| cis-1,2-Dichloroethene                                                                      | ND     |           | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloroethene, Total                                                                   | ND     |           | ug/kg | 1.0 | 0.24 |
| Dibromomethane                                                                              | ND     |           | ug/kg | 10  | 0.24 |
| Styrene                                                                                     | ND     |           | ug/kg | 2.0 | 0.40 |
| Dichlorodifluoromethane                                                                     | ND     |           | ug/kg | 10  | 0.50 |
| Acetone                                                                                     | ND     |           | ug/kg | 10  | 2.3  |
| Carbon disulfide                                                                            | ND     |           | ug/kg | 10  | 1.1  |
| 2-Butanone                                                                                  | ND     |           | ug/kg | 10  | 0.69 |
| Vinyl acetate                                                                               | ND     |           | ug/kg | 10  | 0.15 |
| 4-Methyl-2-pentanone                                                                        | ND     |           | ug/kg | 10  | 0.24 |
| 1,2,3-Trichloropropane                                                                      | ND     |           | ug/kg | 10  | 0.18 |
| 2-Hexanone                                                                                  | ND     |           | ug/kg | 10  | 0.67 |
| Bromochloromethane                                                                          | ND     |           | ug/kg | 5.0 | 0.36 |
| 2,2-Dichloropropane                                                                         | ND     |           | ug/kg | 5.0 | 0.45 |
| 1,2-Dibromoethane                                                                           | ND     |           | ug/kg | 4.0 | 0.20 |
| 1,3-Dichloropropane                                                                         | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,1,1,2-Tetrachloroethane                                                                   | ND     |           | ug/kg | 1.0 | 0.32 |
| Bromobenzene                                                                                | ND     |           | ug/kg | 5.0 | 0.22 |
| n-Butylbenzene                                                                              | ND     |           | ug/kg | 1.0 | 0.23 |
| sec-Butylbenzene                                                                            | ND     |           | ug/kg | 1.0 | 0.22 |
| tert-Butylbenzene                                                                           | ND     |           | ug/kg | 5.0 | 0.25 |
| o-Chlorotoluene                                                                             | ND     |           | ug/kg | 5.0 | 0.22 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 08:49  
 Analyst: MKS

| Parameter                                                                                   | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07,09 Batch: WG1110033-5 |        |           |       |     |      |
| p-Chlorotoluene                                                                             | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,2-Dibromo-3-chloropropane                                                                 | ND     |           | ug/kg | 5.0 | 0.40 |
| Hexachlorobutadiene                                                                         | ND     |           | ug/kg | 5.0 | 0.35 |
| Isopropylbenzene                                                                            | ND     |           | ug/kg | 1.0 | 0.19 |
| p-Isopropyltoluene                                                                          | ND     |           | ug/kg | 1.0 | 0.20 |
| Naphthalene                                                                                 | ND     |           | ug/kg | 5.0 | 0.14 |
| Acrylonitrile                                                                               | ND     |           | ug/kg | 10  | 0.51 |
| n-Propylbenzene                                                                             | ND     |           | ug/kg | 1.0 | 0.22 |
| 1,2,3-Trichlorobenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.25 |
| 1,2,4-Trichlorobenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,3,5-Trimethylbenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.16 |
| 1,2,4-Trimethylbenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.19 |
| 1,4-Dioxane                                                                                 | ND     |           | ug/kg | 40  | 14.  |
| p-Diethylbenzene                                                                            | ND     |           | ug/kg | 4.0 | 4.0  |
| p-Ethyltoluene                                                                              | ND     |           | ug/kg | 4.0 | 0.23 |
| 1,2,4,5-Tetramethylbenzene                                                                  | ND     |           | ug/kg | 4.0 | 0.16 |
| Ethyl ether                                                                                 | ND     |           | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene                                                                 | ND     |           | ug/kg | 5.0 | 0.39 |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 102       |           | 70-130                 |
| Toluene-d8            | 90        |           | 70-130                 |
| 4-Bromofluorobenzene  | 105       |           | 70-130                 |
| Dibromofluoromethane  | 99        |           | 70-130                 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 08:28  
 Analyst: MKS

| Parameter                                                                             | Result | Qualifier | Units | RL  | MDL |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1110305-5 |        |           |       |     |     |
| Methylene chloride                                                                    | ND     |           | ug/kg | 500 | 82. |
| 1,1-Dichloroethane                                                                    | ND     |           | ug/kg | 75  | 14. |
| Chloroform                                                                            | ND     |           | ug/kg | 75  | 18. |
| Carbon tetrachloride                                                                  | ND     |           | ug/kg | 50  | 17. |
| 1,2-Dichloropropane                                                                   | ND     |           | ug/kg | 180 | 11. |
| Dibromochloromethane                                                                  | ND     |           | ug/kg | 50  | 8.8 |
| 1,1,2-Trichloroethane                                                                 | ND     |           | ug/kg | 75  | 16. |
| Tetrachloroethene                                                                     | ND     |           | ug/kg | 50  | 15. |
| Chlorobenzene                                                                         | ND     |           | ug/kg | 50  | 17. |
| Trichlorofluoromethane                                                                | ND     |           | ug/kg | 250 | 21. |
| 1,2-Dichloroethane                                                                    | ND     |           | ug/kg | 50  | 12. |
| 1,1,1-Trichloroethane                                                                 | ND     |           | ug/kg | 50  | 18. |
| Bromodichloromethane                                                                  | ND     |           | ug/kg | 50  | 15. |
| trans-1,3-Dichloropropene                                                             | ND     |           | ug/kg | 50  | 10. |
| cis-1,3-Dichloropropene                                                               | ND     |           | ug/kg | 50  | 12. |
| 1,3-Dichloropropene, Total                                                            | ND     |           | ug/kg | 50  | 10. |
| 1,1-Dichloropropene                                                                   | ND     |           | ug/kg | 250 | 16. |
| Bromoform                                                                             | ND     |           | ug/kg | 200 | 12. |
| 1,1,2,2-Tetrachloroethane                                                             | ND     |           | ug/kg | 50  | 15. |
| Benzene                                                                               | ND     |           | ug/kg | 50  | 9.6 |
| Toluene                                                                               | ND     |           | ug/kg | 75  | 9.8 |
| Ethylbenzene                                                                          | ND     |           | ug/kg | 50  | 8.5 |
| Chloromethane                                                                         | ND     |           | ug/kg | 250 | 22. |
| Bromomethane                                                                          | ND     |           | ug/kg | 100 | 17. |
| Vinyl chloride                                                                        | ND     |           | ug/kg | 100 | 16. |
| Chloroethane                                                                          | ND     |           | ug/kg | 100 | 16. |
| 1,1-Dichloroethene                                                                    | ND     |           | ug/kg | 50  | 19. |
| trans-1,2-Dichloroethene                                                              | ND     |           | ug/kg | 75  | 12. |
| Trichloroethene                                                                       | ND     |           | ug/kg | 50  | 15. |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 08:28  
 Analyst: MKS

| Parameter                                                                             | Result | Qualifier | Units | RL  | MDL |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1110305-5 |        |           |       |     |     |
| 1,2-Dichlorobenzene                                                                   | ND     |           | ug/kg | 250 | 9.1 |
| 1,3-Dichlorobenzene                                                                   | ND     |           | ug/kg | 250 | 11. |
| 1,4-Dichlorobenzene                                                                   | ND     |           | ug/kg | 250 | 9.1 |
| Methyl tert butyl ether                                                               | ND     |           | ug/kg | 100 | 7.6 |
| p/m-Xylene                                                                            | ND     |           | ug/kg | 100 | 18. |
| o-Xylene                                                                              | ND     |           | ug/kg | 100 | 17. |
| Xylenes, Total                                                                        | ND     |           | ug/kg | 100 | 17. |
| cis-1,2-Dichloroethene                                                                | ND     |           | ug/kg | 50  | 17. |
| 1,2-Dichloroethene, Total                                                             | ND     |           | ug/kg | 50  | 12. |
| Dibromomethane                                                                        | ND     |           | ug/kg | 500 | 12. |
| Styrene                                                                               | ND     |           | ug/kg | 100 | 20. |
| Dichlorodifluoromethane                                                               | ND     |           | ug/kg | 500 | 25. |
| Acetone                                                                               | ND     |           | ug/kg | 500 | 110 |
| Carbon disulfide                                                                      | ND     |           | ug/kg | 500 | 55. |
| 2-Butanone                                                                            | ND     |           | ug/kg | 500 | 34. |
| Vinyl acetate                                                                         | ND     |           | ug/kg | 500 | 7.6 |
| 4-Methyl-2-pentanone                                                                  | ND     |           | ug/kg | 500 | 12. |
| 1,2,3-Trichloropropane                                                                | ND     |           | ug/kg | 500 | 8.8 |
| 2-Hexanone                                                                            | ND     |           | ug/kg | 500 | 33. |
| Bromochloromethane                                                                    | ND     |           | ug/kg | 250 | 18. |
| 2,2-Dichloropropane                                                                   | ND     |           | ug/kg | 250 | 22. |
| 1,2-Dibromoethane                                                                     | ND     |           | ug/kg | 200 | 10. |
| 1,3-Dichloropropane                                                                   | ND     |           | ug/kg | 250 | 9.2 |
| 1,1,1,2-Tetrachloroethane                                                             | ND     |           | ug/kg | 50  | 16. |
| Bromobenzene                                                                          | ND     |           | ug/kg | 250 | 11. |
| n-Butylbenzene                                                                        | ND     |           | ug/kg | 50  | 11. |
| sec-Butylbenzene                                                                      | ND     |           | ug/kg | 50  | 11. |
| tert-Butylbenzene                                                                     | ND     |           | ug/kg | 250 | 12. |
| o-Chlorotoluene                                                                       | ND     |           | ug/kg | 250 | 11. |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 08:28  
 Analyst: MKS

| Parameter                                                                             | Result | Qualifier | Units | RL   | MDL |
|---------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1110305-5 |        |           |       |      |     |
| p-Chlorotoluene                                                                       | ND     |           | ug/kg | 250  | 9.2 |
| 1,2-Dibromo-3-chloropropane                                                           | ND     |           | ug/kg | 250  | 20. |
| Hexachlorobutadiene                                                                   | ND     |           | ug/kg | 250  | 17. |
| Isopropylbenzene                                                                      | ND     |           | ug/kg | 50   | 9.7 |
| p-Isopropyltoluene                                                                    | ND     |           | ug/kg | 50   | 10. |
| Naphthalene                                                                           | ND     |           | ug/kg | 250  | 6.9 |
| Acrylonitrile                                                                         | ND     |           | ug/kg | 500  | 26. |
| n-Propylbenzene                                                                       | ND     |           | ug/kg | 50   | 11. |
| 1,2,3-Trichlorobenzene                                                                | ND     |           | ug/kg | 250  | 12. |
| 1,2,4-Trichlorobenzene                                                                | ND     |           | ug/kg | 250  | 11. |
| 1,3,5-Trimethylbenzene                                                                | ND     |           | ug/kg | 250  | 8.0 |
| 1,2,4-Trimethylbenzene                                                                | ND     |           | ug/kg | 250  | 9.3 |
| 1,4-Dioxane                                                                           | ND     |           | ug/kg | 2000 | 720 |
| p-Diethylbenzene                                                                      | ND     |           | ug/kg | 200  | 200 |
| p-Ethyltoluene                                                                        | ND     |           | ug/kg | 200  | 12. |
| 1,2,4,5-Tetramethylbenzene                                                            | ND     |           | ug/kg | 200  | 7.8 |
| Ethyl ether                                                                           | ND     |           | ug/kg | 250  | 13. |
| trans-1,4-Dichloro-2-butene                                                           | ND     |           | ug/kg | 250  | 20. |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 93        |           | 70-130              |
| Toluene-d8            | 100       |           | 70-130              |
| 4-Bromofluorobenzene  | 89        |           | 70-130              |
| Dibromofluoromethane  | 96        |           | 70-130              |



Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 18:34  
 Analyst: AD

| Parameter                                                                            | Result | Qualifier | Units | RL   | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1110380-5 |        |           |       |      |      |
| 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: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 18:34  
 Analyst: AD

| Parameter                                                                            | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1110380-5 |        |           |       |     |      |
| 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: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/26/18 18:34  
 Analyst: AD

| Parameter                                                                            | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1110380-5 |        |           |       |     |      |
| 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:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C

Analytical Date: 04/26/18 18:34

Analyst: AD

| Parameter                                                                            | Result | Qualifier | Units | RL | MDL |
|--------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1110380-5 |        |           |       |    |     |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 125       |           | 70-130                 |
| Toluene-d8            | 99        |           | 70-130                 |
| 4-Bromofluorobenzene  | 112       |           | 70-130                 |
| Dibromofluoromethane  | 109       |           | 70-130                 |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814188

Report Date: 04/30/18

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07,09 Batch: WG1110033-3 WG1110033-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                             | 85               |      | 87                |      | 70-130              | 2   |      | 30            |
| 1,1-Dichloroethane                                                                                             | 120              |      | 121               |      | 70-130              | 1   |      | 30            |
| Chloroform                                                                                                     | 117              |      | 120               |      | 70-130              | 3   |      | 30            |
| Carbon tetrachloride                                                                                           | 113              |      | 114               |      | 70-130              | 1   |      | 30            |
| 1,2-Dichloropropane                                                                                            | 128              |      | 131               | Q    | 70-130              | 2   |      | 30            |
| Dibromochloromethane                                                                                           | 98               |      | 104               |      | 70-130              | 6   |      | 30            |
| 1,1,2-Trichloroethane                                                                                          | 110              |      | 114               |      | 70-130              | 4   |      | 30            |
| Tetrachloroethene                                                                                              | 102              |      | 106               |      | 70-130              | 4   |      | 30            |
| Chlorobenzene                                                                                                  | 106              |      | 110               |      | 70-130              | 4   |      | 30            |
| Trichlorofluoromethane                                                                                         | 93               |      | 96                |      | 70-139              | 3   |      | 30            |
| 1,2-Dichloroethane                                                                                             | 121              |      | 125               |      | 70-130              | 3   |      | 30            |
| 1,1,1-Trichloroethane                                                                                          | 119              |      | 120               |      | 70-130              | 1   |      | 30            |
| Bromodichloromethane                                                                                           | 123              |      | 126               |      | 70-130              | 2   |      | 30            |
| trans-1,3-Dichloropropene                                                                                      | 115              |      | 120               |      | 70-130              | 4   |      | 30            |
| cis-1,3-Dichloropropene                                                                                        | 130              |      | 133               | Q    | 70-130              | 2   |      | 30            |
| 1,1-Dichloropropene                                                                                            | 130              |      | 130               |      | 70-130              | 0   |      | 30            |
| Bromoform                                                                                                      | 95               |      | 99                |      | 70-130              | 4   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                      | 102              |      | 105               |      | 70-130              | 3   |      | 30            |
| Benzene                                                                                                        | 120              |      | 122               |      | 70-130              | 2   |      | 30            |
| Toluene                                                                                                        | 100              |      | 104               |      | 70-130              | 4   |      | 30            |
| Ethylbenzene                                                                                                   | 108              |      | 112               |      | 70-130              | 4   |      | 30            |
| Chloromethane                                                                                                  | 66               |      | 64                |      | 52-130              | 3   |      | 30            |
| Bromomethane                                                                                                   | 109              |      | 113               |      | 57-147              | 4   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07,09 Batch: WG1110033-3 WG1110033-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                 | 76               |      | 76                |      | 67-130              | 0   |      | 30            |
| Chloroethane                                                                                                   | 78               |      | 81                |      | 50-151              | 4   |      | 30            |
| 1,1-Dichloroethene                                                                                             | 100              |      | 97                |      | 65-135              | 3   |      | 30            |
| trans-1,2-Dichloroethene                                                                                       | 112              |      | 114               |      | 70-130              | 2   |      | 30            |
| Trichloroethene                                                                                                | 124              |      | 129               |      | 70-130              | 4   |      | 30            |
| 1,2-Dichlorobenzene                                                                                            | 100              |      | 101               |      | 70-130              | 1   |      | 30            |
| 1,3-Dichlorobenzene                                                                                            | 100              |      | 101               |      | 70-130              | 1   |      | 30            |
| 1,4-Dichlorobenzene                                                                                            | 100              |      | 102               |      | 70-130              | 2   |      | 30            |
| Methyl tert butyl ether                                                                                        | 117              |      | 118               |      | 66-130              | 1   |      | 30            |
| p/m-Xylene                                                                                                     | 108              |      | 112               |      | 70-130              | 4   |      | 30            |
| o-Xylene                                                                                                       | 104              |      | 108               |      | 70-130              | 4   |      | 30            |
| cis-1,2-Dichloroethene                                                                                         | 120              |      | 122               |      | 70-130              | 2   |      | 30            |
| Dibromomethane                                                                                                 | 123              |      | 129               |      | 70-130              | 5   |      | 30            |
| Styrene                                                                                                        | 104              |      | 106               |      | 70-130              | 2   |      | 30            |
| Dichlorodifluoromethane                                                                                        | 65               |      | 65                |      | 30-146              | 0   |      | 30            |
| Acetone                                                                                                        | 235              | Q    | 225               | Q    | 54-140              | 4   |      | 30            |
| Carbon disulfide                                                                                               | 80               |      | 79                |      | 59-130              | 1   |      | 30            |
| 2-Butanone                                                                                                     | 141              | Q    | 148               | Q    | 70-130              | 5   |      | 30            |
| Vinyl acetate                                                                                                  | 115              |      | 116               |      | 70-130              | 1   |      | 30            |
| 4-Methyl-2-pentanone                                                                                           | 109              |      | 112               |      | 70-130              | 3   |      | 30            |
| 1,2,3-Trichloropropane                                                                                         | 105              |      | 111               |      | 68-130              | 6   |      | 30            |
| 2-Hexanone                                                                                                     | 102              |      | 107               |      | 70-130              | 5   |      | 30            |
| Bromochloromethane                                                                                             | 116              |      | 118               |      | 70-130              | 2   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07,09 Batch: WG1110033-3 WG1110033-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                            | 116              |      | 117               |      | 70-130              | 1   |      | 30            |
| 1,2-Dibromoethane                                                                                              | 109              |      | 115               |      | 70-130              | 5   |      | 30            |
| 1,3-Dichloropropane                                                                                            | 112              |      | 117               |      | 69-130              | 4   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                                      | 105              |      | 107               |      | 70-130              | 2   |      | 30            |
| Bromobenzene                                                                                                   | 100              |      | 103               |      | 70-130              | 3   |      | 30            |
| n-Butylbenzene                                                                                                 | 105              |      | 107               |      | 70-130              | 2   |      | 30            |
| sec-Butylbenzene                                                                                               | 102              |      | 103               |      | 70-130              | 1   |      | 30            |
| tert-Butylbenzene                                                                                              | 104              |      | 106               |      | 70-130              | 2   |      | 30            |
| o-Chlorotoluene                                                                                                | 103              |      | 107               |      | 70-130              | 4   |      | 30            |
| p-Chlorotoluene                                                                                                | 104              |      | 107               |      | 70-130              | 3   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                                    | 100              |      | 104               |      | 68-130              | 4   |      | 30            |
| Hexachlorobutadiene                                                                                            | 102              |      | 102               |      | 67-130              | 0   |      | 30            |
| Isopropylbenzene                                                                                               | 105              |      | 108               |      | 70-130              | 3   |      | 30            |
| p-Isopropyltoluene                                                                                             | 103              |      | 105               |      | 70-130              | 2   |      | 30            |
| Naphthalene                                                                                                    | 96               |      | 96                |      | 70-130              | 0   |      | 30            |
| Acrylonitrile                                                                                                  | 124              |      | 124               |      | 70-130              | 0   |      | 30            |
| n-Propylbenzene                                                                                                | 106              |      | 109               |      | 70-130              | 3   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                         | 99               |      | 101               |      | 70-130              | 2   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                         | 101              |      | 101               |      | 70-130              | 0   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                         | 103              |      | 106               |      | 70-130              | 3   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                         | 102              |      | 105               |      | 70-130              | 3   |      | 30            |
| 1,4-Dioxane                                                                                                    | 117              |      | 119               |      | 65-136              | 2   |      | 30            |
| p-Diethylbenzene                                                                                               | 95               |      | 96                |      | 70-130              | 1   |      | 30            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07,09 Batch: WG1110033-3 WG1110033-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene                                                                                                 | 95               |      | 97                |      | 70-130              | 2   |      | 30            |
| 1,2,4,5-Tetramethylbenzene                                                                                     | 91               |      | 92                |      | 70-130              | 1   |      | 30            |
| Ethyl ether                                                                                                    | 95               |      | 97                |      | 67-130              | 2   |      | 30            |
| trans-1,4-Dichloro-2-butene                                                                                    | 101              |      | 104               |      | 70-130              | 3   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 101              |      | 100               |      | 70-130                 |
| Toluene-d8            | 91               |      | 91                |      | 70-130                 |
| 4-Bromofluorobenzene  | 104              |      | 105               |      | 70-130                 |
| Dibromofluoromethane  | 101              |      | 100               |      | 70-130                 |



# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1110305-3 WG1110305-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                       | 99               |      | 102               |      | 70-130              | 3   |      | 30            |
| 1,1-Dichloroethane                                                                                       | 98               |      | 95                |      | 70-130              | 3   |      | 30            |
| Chloroform                                                                                               | 94               |      | 97                |      | 70-130              | 3   |      | 30            |
| Carbon tetrachloride                                                                                     | 106              |      | 108               |      | 70-130              | 2   |      | 30            |
| 1,2-Dichloropropane                                                                                      | 97               |      | 95                |      | 70-130              | 2   |      | 30            |
| Dibromochloromethane                                                                                     | 103              |      | 103               |      | 70-130              | 0   |      | 30            |
| 1,1,2-Trichloroethane                                                                                    | 101              |      | 102               |      | 70-130              | 1   |      | 30            |
| Tetrachloroethene                                                                                        | 129              |      | 121               |      | 70-130              | 6   |      | 30            |
| Chlorobenzene                                                                                            | 109              |      | 109               |      | 70-130              | 0   |      | 30            |
| Trichlorofluoromethane                                                                                   | 100              |      | 102               |      | 70-139              | 2   |      | 30            |
| 1,2-Dichloroethane                                                                                       | 92               |      | 93                |      | 70-130              | 1   |      | 30            |
| 1,1,1-Trichloroethane                                                                                    | 95               |      | 102               |      | 70-130              | 7   |      | 30            |
| Bromodichloromethane                                                                                     | 95               |      | 95                |      | 70-130              | 0   |      | 30            |
| trans-1,3-Dichloropropene                                                                                | 106              |      | 104               |      | 70-130              | 2   |      | 30            |
| cis-1,3-Dichloropropene                                                                                  | 100              |      | 100               |      | 70-130              | 0   |      | 30            |
| 1,1-Dichloropropene                                                                                      | 104              |      | 102               |      | 70-130              | 2   |      | 30            |
| Bromoform                                                                                                | 106              |      | 109               |      | 70-130              | 3   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                | 94               |      | 95                |      | 70-130              | 1   |      | 30            |
| Benzene                                                                                                  | 99               |      | 100               |      | 70-130              | 1   |      | 30            |
| Toluene                                                                                                  | 105              |      | 98                |      | 70-130              | 7   |      | 30            |
| Ethylbenzene                                                                                             | 106              |      | 102               |      | 70-130              | 4   |      | 30            |
| Chloromethane                                                                                            | 80               |      | 81                |      | 52-130              | 1   |      | 30            |
| Bromomethane                                                                                             | 104              |      | 103               |      | 57-147              | 1   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1110305-3 WG1110305-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                           | 91               |      | 91                |      | 67-130              | 0   |      | 30            |
| Chloroethane                                                                                             | 85               |      | 85                |      | 50-151              | 0   |      | 30            |
| 1,1-Dichloroethene                                                                                       | 108              |      | 110               |      | 65-135              | 2   |      | 30            |
| trans-1,2-Dichloroethene                                                                                 | 108              |      | 110               |      | 70-130              | 2   |      | 30            |
| Trichloroethene                                                                                          | 109              |      | 106               |      | 70-130              | 3   |      | 30            |
| 1,2-Dichlorobenzene                                                                                      | 113              |      | 112               |      | 70-130              | 1   |      | 30            |
| 1,3-Dichlorobenzene                                                                                      | 115              |      | 110               |      | 70-130              | 4   |      | 30            |
| 1,4-Dichlorobenzene                                                                                      | 113              |      | 110               |      | 70-130              | 3   |      | 30            |
| Methyl tert butyl ether                                                                                  | 91               |      | 93                |      | 66-130              | 2   |      | 30            |
| p/m-Xylene                                                                                               | 113              |      | 108               |      | 70-130              | 5   |      | 30            |
| o-Xylene                                                                                                 | 110              |      | 102               |      | 70-130              | 8   |      | 30            |
| cis-1,2-Dichloroethene                                                                                   | 102              |      | 102               |      | 70-130              | 0   |      | 30            |
| Dibromomethane                                                                                           | 103              |      | 98                |      | 70-130              | 5   |      | 30            |
| Styrene                                                                                                  | 109              |      | 103               |      | 70-130              | 6   |      | 30            |
| Dichlorodifluoromethane                                                                                  | 82               |      | 83                |      | 30-146              | 1   |      | 30            |
| Acetone                                                                                                  | 145              | Q    | 149               | Q    | 54-140              | 3   |      | 30            |
| Carbon disulfide                                                                                         | 98               |      | 99                |      | 59-130              | 1   |      | 30            |
| 2-Butanone                                                                                               | 105              |      | 104               |      | 70-130              | 1   |      | 30            |
| Vinyl acetate                                                                                            | 73               |      | 76                |      | 70-130              | 4   |      | 30            |
| 4-Methyl-2-pentanone                                                                                     | 83               |      | 82                |      | 70-130              | 1   |      | 30            |
| 1,2,3-Trichloropropane                                                                                   | 96               |      | 97                |      | 68-130              | 1   |      | 30            |
| 2-Hexanone                                                                                               | 88               |      | 86                |      | 70-130              | 2   |      | 30            |
| Bromochloromethane                                                                                       | 112              |      | 116               |      | 70-130              | 4   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1110305-3 WG1110305-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                      | 96               |      | 96                |      | 70-130              | 0   |      | 30            |
| 1,2-Dibromoethane                                                                                        | 111              |      | 110               |      | 70-130              | 1   |      | 30            |
| 1,3-Dichloropropane                                                                                      | 101              |      | 102               |      | 69-130              | 1   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                                | 111              |      | 109               |      | 70-130              | 2   |      | 30            |
| Bromobenzene                                                                                             | 113              |      | 114               |      | 70-130              | 1   |      | 30            |
| n-Butylbenzene                                                                                           | 107              |      | 101               |      | 70-130              | 6   |      | 30            |
| sec-Butylbenzene                                                                                         | 104              |      | 97                |      | 70-130              | 7   |      | 30            |
| tert-Butylbenzene                                                                                        | 108              |      | 104               |      | 70-130              | 4   |      | 30            |
| o-Chlorotoluene                                                                                          | 100              |      | 100               |      | 70-130              | 0   |      | 30            |
| p-Chlorotoluene                                                                                          | 101              |      | 101               |      | 70-130              | 0   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                              | 96               |      | 99                |      | 68-130              | 3   |      | 30            |
| Hexachlorobutadiene                                                                                      | 126              |      | 124               |      | 67-130              | 2   |      | 30            |
| Isopropylbenzene                                                                                         | 106              |      | 105               |      | 70-130              | 1   |      | 30            |
| p-Isopropyltoluene                                                                                       | 109              |      | 104               |      | 70-130              | 5   |      | 30            |
| Naphthalene                                                                                              | 108              |      | 108               |      | 70-130              | 0   |      | 30            |
| Acrylonitrile                                                                                            | 86               |      | 85                |      | 70-130              | 1   |      | 30            |
| n-Propylbenzene                                                                                          | 104              |      | 102               |      | 70-130              | 2   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                   | 126              |      | 126               |      | 70-130              | 0   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                   | 124              |      | 123               |      | 70-130              | 1   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                   | 107              |      | 106               |      | 70-130              | 1   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                   | 106              |      | 103               |      | 70-130              | 3   |      | 30            |
| 1,4-Dioxane                                                                                              | 94               |      | 92                |      | 65-136              | 2   |      | 30            |
| p-Diethylbenzene                                                                                         | 101              |      | 96                |      | 70-130              | 5   |      | 30            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1110305-3 WG1110305-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene                                                                                           | 96               |      | 95                |      | 70-130              | 1   |      | 30            |
| 1,2,4,5-Tetramethylbenzene                                                                               | 98               |      | 96                |      | 70-130              | 2   |      | 30            |
| Ethyl ether                                                                                              | 96               |      | 102               |      | 67-130              | 6   |      | 30            |
| trans-1,4-Dichloro-2-butene                                                                              | 82               |      | 86                |      | 70-130              | 5   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 89               |      | 92                |      | 70-130                 |
| Toluene-d8            | 104              |      | 100               |      | 70-130                 |
| 4-Bromofluorobenzene  | 89               |      | 91                |      | 70-130                 |
| Dibromofluoromethane  | 90               |      | 98                |      | 70-130                 |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814188

Report Date: 04/30/18

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1110380-3 WG1110380-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                      | 90               |      | 91                |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloroethane                                                                                      | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Chloroform                                                                                              | 120              |      | 120               |      | 70-130              | 0   |      | 20            |
| Carbon tetrachloride                                                                                    | 110              |      | 110               |      | 63-132              | 0   |      | 20            |
| 1,2-Dichloropropane                                                                                     | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Dibromochloromethane                                                                                    | 100              |      | 100               |      | 63-130              | 0   |      | 20            |
| 1,1,2-Trichloroethane                                                                                   | 110              |      | 120               |      | 70-130              | 9   |      | 20            |
| Tetrachloroethene                                                                                       | 91               |      | 93                |      | 70-130              | 2   |      | 20            |
| Chlorobenzene                                                                                           | 110              |      | 110               |      | 75-130              | 0   |      | 20            |
| Trichlorofluoromethane                                                                                  | 100              |      | 110               |      | 62-150              | 10  |      | 20            |
| 1,2-Dichloroethane                                                                                      | 130              |      | 130               |      | 70-130              | 0   |      | 20            |
| 1,1,1-Trichloroethane                                                                                   | 110              |      | 110               |      | 67-130              | 0   |      | 20            |
| Bromodichloromethane                                                                                    | 120              |      | 120               |      | 67-130              | 0   |      | 20            |
| trans-1,3-Dichloropropene                                                                               | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| cis-1,3-Dichloropropene                                                                                 | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,1-Dichloropropene                                                                                     | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| Bromoform                                                                                               | 100              |      | 100               |      | 54-136              | 0   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                               | 120              |      | 120               |      | 67-130              | 0   |      | 20            |
| Benzene                                                                                                 | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Toluene                                                                                                 | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| Ethylbenzene                                                                                            | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Chloromethane                                                                                           | 94               |      | 95                |      | 64-130              | 1   |      | 20            |
| Bromomethane                                                                                            | 82               |      | 79                |      | 39-139              | 4   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1110380-3 WG1110380-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                          | 82               |      | 82                |      | 55-140              | 0   |      | 20            |
| Chloroethane                                                                                            | 88               |      | 86                |      | 55-138              | 2   |      | 20            |
| 1,1-Dichloroethene                                                                                      | 88               |      | 88                |      | 61-145              | 0   |      | 20            |
| trans-1,2-Dichloroethene                                                                                | 93               |      | 96                |      | 70-130              | 3   |      | 20            |
| Trichloroethene                                                                                         | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,2-Dichlorobenzene                                                                                     | 98               |      | 100               |      | 70-130              | 2   |      | 20            |
| 1,3-Dichlorobenzene                                                                                     | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,4-Dichlorobenzene                                                                                     | 98               |      | 99                |      | 70-130              | 1   |      | 20            |
| Methyl tert butyl ether                                                                                 | 95               |      | 99                |      | 63-130              | 4   |      | 20            |
| p/m-Xylene                                                                                              | 105              |      | 110               |      | 70-130              | 5   |      | 20            |
| o-Xylene                                                                                                | 105              |      | 110               |      | 70-130              | 5   |      | 20            |
| cis-1,2-Dichloroethene                                                                                  | 99               |      | 100               |      | 70-130              | 1   |      | 20            |
| Dibromomethane                                                                                          | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,2,3-Trichloropropane                                                                                  | 120              |      | 130               |      | 64-130              | 8   |      | 20            |
| Acrylonitrile                                                                                           | 120              |      | 120               |      | 70-130              | 0   |      | 20            |
| Styrene                                                                                                 | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Dichlorodifluoromethane                                                                                 | 90               |      | 91                |      | 36-147              | 1   |      | 20            |
| Acetone                                                                                                 | 180              | Q    | 170               | Q    | 58-148              | 6   |      | 20            |
| Carbon disulfide                                                                                        | 82               |      | 83                |      | 51-130              | 1   |      | 20            |
| 2-Butanone                                                                                              | 140              | Q    | 140               | Q    | 63-138              | 0   |      | 20            |
| Vinyl acetate                                                                                           | 130              |      | 130               |      | 70-130              | 0   |      | 20            |
| 4-Methyl-2-pentanone                                                                                    | 92               |      | 94                |      | 59-130              | 2   |      | 20            |
| 2-Hexanone                                                                                              | 94               |      | 97                |      | 57-130              | 3   |      | 20            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1110380-3 WG1110380-4 |                  |      |                   |      |                     |     |      |               |
| Bromochloromethane                                                                                      | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 2,2-Dichloropropane                                                                                     | 110              |      | 110               |      | 63-133              | 0   |      | 20            |
| 1,2-Dibromoethane                                                                                       | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,3-Dichloropropane                                                                                     | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                               | 100              |      | 100               |      | 64-130              | 0   |      | 20            |
| Bromobenzene                                                                                            | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| n-Butylbenzene                                                                                          | 120              |      | 120               |      | 53-136              | 0   |      | 20            |
| sec-Butylbenzene                                                                                        | 120              |      | 120               |      | 70-130              | 0   |      | 20            |
| tert-Butylbenzene                                                                                       | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| o-Chlorotoluene                                                                                         | 120              |      | 120               |      | 70-130              | 0   |      | 20            |
| p-Chlorotoluene                                                                                         | 120              |      | 120               |      | 70-130              | 0   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                             | 85               |      | 89                |      | 41-144              | 5   |      | 20            |
| Hexachlorobutadiene                                                                                     | 89               |      | 92                |      | 63-130              | 3   |      | 20            |
| Isopropylbenzene                                                                                        | 120              |      | 120               |      | 70-130              | 0   |      | 20            |
| p-Isopropyltoluene                                                                                      | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Naphthalene                                                                                             | 91               |      | 92                |      | 70-130              | 1   |      | 20            |
| n-Propylbenzene                                                                                         | 120              |      | 120               |      | 69-130              | 0   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                                  | 95               |      | 96                |      | 70-130              | 1   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                  | 93               |      | 92                |      | 70-130              | 1   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                                  | 120              |      | 120               |      | 64-130              | 0   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                                  | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,4-Dioxane                                                                                             | 114              |      | 118               |      | 56-162              | 3   |      | 20            |
| p-Diethylbenzene                                                                                        | 100              |      | 100               |      | 70-130              | 0   |      | 20            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1110380-3 WG1110380-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene                                                                                          | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,2,4,5-Tetramethylbenzene                                                                              | 120              |      | 120               |      | 70-130              | 0   |      | 20            |
| Ethyl ether                                                                                             | 90               |      | 92                |      | 59-134              | 2   |      | 20            |
| trans-1,4-Dichloro-2-butene                                                                             | 130              |      | 130               |      | 70-130              | 0   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 121              |      | 123               |      | 70-130                 |
| Toluene-d8            | 100              |      | 99                |      | 70-130                 |
| 4-Bromofluorobenzene  | 107              |      | 107               |      | 70-130                 |
| Dibromofluoromethane  | 107              |      | 106               |      | 70-130                 |



# SEMIVOLATILES

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-01  
 Client ID: EB-03\_1-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:20  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 19:08  
 Analyst: EK  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:24

| 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 | 22. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 21. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 170 | 25. | 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 | 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 | 38. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 190 | 32. | 1               |
| Fluoranthene                                     | 740    |           | 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 | 220 | 32. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 200 | 19. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 190 | 28. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 540 | 170 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 150 | 30. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 170 | 24. | 1               |
| Naphthalene                                      | 36     | J         | 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 | 36. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 190 | 64. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-01**Date Collected:** 04/23/18 13:20**Client ID:** EB-03\_1-2**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | 460    |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | 500    |           | ug/kg | 150 | 46. | 1               |
| Benzo(b)fluoranthene                             | 660    |           | ug/kg | 110 | 32. | 1               |
| Benzo(k)fluoranthene                             | 200    |           | ug/kg | 110 | 30. | 1               |
| Chrysene                                         | 410    |           | ug/kg | 110 | 20. | 1               |
| Acenaphthylene                                   | 110    | J         | ug/kg | 150 | 29. | 1               |
| Anthracene                                       | 46     | J         | ug/kg | 110 | 37. | 1               |
| Benzo(ghi)perylene                               | 270    |           | ug/kg | 150 | 22. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 190 | 18. | 1               |
| Phenanthrene                                     | 110    |           | ug/kg | 110 | 23. | 1               |
| Dibenzo(a,h)anthracene                           | 68     | J         | ug/kg | 110 | 22. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 320    |           | ug/kg | 150 | 26. | 1               |
| Pyrene                                           | 720    |           | ug/kg | 110 | 19. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 430 | 44. | 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 | 78. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 190 | 18. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 23. | 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 | 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 | 30. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 190 | 62. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 400 | 71. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 77. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 900 | 88. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 490 | 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:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-01**Date Collected:** 04/23/18 13:20**Client ID:** EB-03\_1-2**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 610 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 190 | 58. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 190 | 18. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 84         |           | 25-120              |
| Phenol-d6            | 90         |           | 10-120              |
| Nitrobenzene-d5      | 94         |           | 23-120              |
| 2-Fluorobiphenyl     | 88         |           | 30-120              |
| 2,4,6-Tribromophenol | 108        |           | 10-136              |
| 4-Terphenyl-d14      | 61         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-02  
 Client ID: EB-03\_16-17  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:30  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 15:18  
 Analyst: EK  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:24

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 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 | 31. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 48. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 36. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 31. | 1               |
| Fluoranthene                                     | ND     |           | 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 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 30. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 24. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 22. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 27. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 21. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 63. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 46. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 62. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-02**Date Collected:** 04/23/18 13:30**Client ID:** EB-03\_16-17**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | ND     |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 44. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 110 | 31. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 29. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 28. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 36. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 21. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 18. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 21. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 25. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 110 | 18. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 420 | 42. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 33. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 76. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 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 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 29. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 60. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 390 | 68. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 74. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 880 | 85. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 470 | 88. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 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 | 28. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-02**Date Collected:** 04/23/18 13:30**Client ID:** EB-03\_16-17**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 590 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 18. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 78         |           | 25-120              |
| Phenol-d6            | 83         |           | 10-120              |
| Nitrobenzene-d5      | 85         |           | 23-120              |
| 2-Fluorobiphenyl     | 80         |           | 30-120              |
| 2,4,6-Tribromophenol | 96         |           | 10-136              |
| 4-Terphenyl-d14      | 77         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-03  
 Client ID: EB-03\_23-24  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:40  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 15:43  
 Analyst: EK  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:24

| 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 | 37. | 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                                     | ND     |           | ug/kg | 120 | 24. | 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 | 590 | 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 | 32. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 200 | 71. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 200 | 52. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 200 | 39. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 200 | 70. | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-03**Date Collected:** 04/23/18 13:40**Client ID:** EB-03\_23-24**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | ND     |           | ug/kg | 120 | 23. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 160 | 50. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 120 | 34. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 120 | 33. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 120 | 21. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 160 | 32. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 120 | 40. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 160 | 24. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 200 | 20. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 120 | 25. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 120 | 24. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 160 | 28. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 120 | 20. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 470 | 48. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 200 | 37. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 200 | 40. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 200 | 39. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 200 | 85. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 200 | 19. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 240 | 25. | 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 | 39. | 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 | 68. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 440 | 77. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 290 | 84. | 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 | 300 | 32. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-03**Date Collected:** 04/23/18 13:40**Client ID:** EB-03\_23-24**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 210 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 200 | 63. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 200 | 20. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 75         |           | 25-120              |
| Phenol-d6            | 82         |           | 10-120              |
| Nitrobenzene-d5      | 83         |           | 23-120              |
| 2-Fluorobiphenyl     | 82         |           | 30-120              |
| 2,4,6-Tribromophenol | 99         |           | 10-136              |
| 4-Terphenyl-d14      | 83         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-04 D  
 Client ID: EB-04\_0-1  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 09:30  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/29/18 19:41  
 Analyst: PS  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:24

| Parameter                                        | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Acenaphthene                                     | 500    | J         | ug/kg | 760  | 98. | 5               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 940  | 110 | 5               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 570  | 100 | 5               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 850  | 130 | 5               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 940  | 94. | 5               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 940  | 170 | 5               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 940  | 160 | 5               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 940  | 160 | 5               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 940  | 250 | 5               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 940  | 190 | 5               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 940  | 160 | 5               |
| Fluoranthene                                     | 5000   |           | ug/kg | 570  | 110 | 5               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 940  | 100 | 5               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 940  | 140 | 5               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 1100 | 160 | 5               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 1000 | 95. | 5               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 940  | 140 | 5               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 2700 | 860 | 5               |
| Hexachloroethane                                 | ND     |           | ug/kg | 760  | 150 | 5               |
| Isophorone                                       | ND     |           | ug/kg | 850  | 120 | 5               |
| Naphthalene                                      | 480    | J         | ug/kg | 940  | 120 | 5               |
| Nitrobenzene                                     | ND     |           | ug/kg | 850  | 140 | 5               |
| NDPA/DPA                                         | ND     |           | ug/kg | 760  | 110 | 5               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 940  | 150 | 5               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 940  | 330 | 5               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 940  | 240 | 5               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 940  | 180 | 5               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 940  | 320 | 5               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-04 D

Date Collected: 04/23/18 09:30

Client ID: EB-04\_0-1

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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 | 940  | 88. | 5               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 940  | 200 | 5               |
| Benzo(a)anthracene                               | 2300   |           | ug/kg | 570  | 110 | 5               |
| Benzo(a)pyrene                                   | 2000   |           | ug/kg | 760  | 230 | 5               |
| Benzo(b)fluoranthene                             | 2400   |           | ug/kg | 570  | 160 | 5               |
| Benzo(k)fluoranthene                             | 840    |           | ug/kg | 570  | 150 | 5               |
| Chrysene                                         | 2000   |           | ug/kg | 570  | 98. | 5               |
| Acenaphthylene                                   | 440    | J         | ug/kg | 760  | 150 | 5               |
| Anthracene                                       | 1200   |           | ug/kg | 570  | 180 | 5               |
| Benzo(ghi)perylene                               | 1200   |           | ug/kg | 760  | 110 | 5               |
| Fluorene                                         | 480    | J         | ug/kg | 940  | 92. | 5               |
| Phenanthrene                                     | 4300   |           | ug/kg | 570  | 110 | 5               |
| Dibenzo(a,h)anthracene                           | 320    | J         | ug/kg | 570  | 110 | 5               |
| Indeno(1,2,3-cd)pyrene                           | 1400   |           | ug/kg | 760  | 130 | 5               |
| Pyrene                                           | 4200   |           | ug/kg | 570  | 94. | 5               |
| Biphenyl                                         | ND     |           | ug/kg | 2200 | 220 | 5               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 940  | 170 | 5               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 940  | 180 | 5               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 940  | 180 | 5               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 940  | 390 | 5               |
| Dibenzofuran                                     | 370    | J         | ug/kg | 940  | 89. | 5               |
| 2-Methylnaphthalene                              | 220    | J         | ug/kg | 1100 | 110 | 5               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 940  | 99. | 5               |
| Acetophenone                                     | ND     |           | ug/kg | 940  | 120 | 5               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 570  | 180 | 5               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 940  | 140 | 5               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 940  | 110 | 5               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 850  | 150 | 5               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 940  | 310 | 5               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 2000 | 360 | 5               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 1300 | 380 | 5               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 4500 | 440 | 5               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 2400 | 450 | 5               |
| Pentachlorophenol                                | ND     |           | ug/kg | 760  | 210 | 5               |
| Phenol                                           | ND     |           | ug/kg | 940  | 140 | 5               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 940  | 150 | 5               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 1400 | 150 | 5               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-04 D**Date Collected:** 04/23/18 09:30**Client ID:** EB-04\_0-1**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 940  | 180 | 5               |
| Benzoic Acid                                     | ND     |           | ug/kg | 3100 | 960 | 5               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 940  | 290 | 5               |
| Carbazole                                        | 440    | J         | ug/kg | 940  | 92. | 5               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 54         |           | 25-120              |
| Phenol-d6            | 57         |           | 10-120              |
| Nitrobenzene-d5      | 68         |           | 23-120              |
| 2-Fluorobiphenyl     | 63         |           | 30-120              |
| 2,4,6-Tribromophenol | 63         |           | 10-136              |
| 4-Terphenyl-d14      | 55         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-05  
 Client ID: EB-04\_15-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 09:40  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 16:09  
 Analyst: EK  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:24

| 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 | 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                                     | ND     |           | 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 | 19. | 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                                      | ND     |           | ug/kg | 180 | 23. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 170 | 27. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 150 | 21. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 29. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 64. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 47. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 35. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 63. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-05**Date Collected:** 04/23/18 09:40**Client ID:** EB-04\_15-16**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | ND     |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 150 | 45. | 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 | 180 | 18. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 21. | 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 | 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 | 77. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 2-Methylnaphthalene                              | ND     |           | 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 | 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 | 70. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 76. | 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 | 270 | 29. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-05**Date Collected:** 04/23/18 09:40**Client ID:** EB-04\_15-16**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 36. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 600 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 57. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 18. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 78         |           | 25-120              |
| Phenol-d6            | 84         |           | 10-120              |
| Nitrobenzene-d5      | 87         |           | 23-120              |
| 2-Fluorobiphenyl     | 80         |           | 30-120              |
| 2,4,6-Tribromophenol | 92         |           | 10-136              |
| 4-Terphenyl-d14      | 82         |           | 18-120              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-06 D  
 Client ID: EB-07\_1-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 10:35  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/29/18 19:16  
 Analyst: PS  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:24

| Parameter                                        | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 300  | 38. | 2               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 370  | 42. | 2               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 220  | 41. | 2               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 330  | 50. | 2               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 370  | 37. | 2               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 370  | 66. | 2               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 370  | 64. | 2               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 370  | 64. | 2               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 370  | 98. | 2               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 370  | 74. | 2               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 370  | 63. | 2               |
| Fluoranthene                                     | 260    |           | ug/kg | 220  | 42. | 2               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 370  | 40. | 2               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 370  | 56. | 2               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 440  | 63. | 2               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 400  | 37. | 2               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 370  | 54. | 2               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 1000 | 340 | 2               |
| Hexachloroethane                                 | ND     |           | ug/kg | 300  | 60. | 2               |
| Isophorone                                       | ND     |           | ug/kg | 330  | 48. | 2               |
| Naphthalene                                      | ND     |           | ug/kg | 370  | 45. | 2               |
| Nitrobenzene                                     | ND     |           | ug/kg | 330  | 55. | 2               |
| NDPA/DPA                                         | ND     |           | ug/kg | 300  | 42. | 2               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 370  | 57. | 2               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 370  | 130 | 2               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 370  | 93. | 2               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 370  | 70. | 2               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 370  | 120 | 2               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-06 D

Date Collected: 04/23/18 10:35

Client ID: EB-07\_1-2

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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 | 370  | 34. | 2               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 370  | 78. | 2               |
| Benzo(a)anthracene                               | 140    | J         | ug/kg | 220  | 42. | 2               |
| Benzo(a)pyrene                                   | 150    | J         | ug/kg | 300  | 90. | 2               |
| Benzo(b)fluoranthene                             | 190    | J         | ug/kg | 220  | 62. | 2               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 220  | 59. | 2               |
| Chrysene                                         | 160    | J         | ug/kg | 220  | 38. | 2               |
| Acenaphthylene                                   | ND     |           | ug/kg | 300  | 57. | 2               |
| Anthracene                                       | ND     |           | ug/kg | 220  | 72. | 2               |
| Benzo(ghi)perylene                               | 120    | J         | ug/kg | 300  | 44. | 2               |
| Fluorene                                         | ND     |           | ug/kg | 370  | 36. | 2               |
| Phenanthrene                                     | 160    | J         | ug/kg | 220  | 45. | 2               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 220  | 43. | 2               |
| Indeno(1,2,3-cd)pyrene                           | 110    | J         | ug/kg | 300  | 52. | 2               |
| Pyrene                                           | 250    |           | ug/kg | 220  | 37. | 2               |
| Biphenyl                                         | ND     |           | ug/kg | 840  | 86. | 2               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 370  | 67. | 2               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 370  | 71. | 2               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 370  | 70. | 2               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 370  | 150 | 2               |
| Dibenzofuran                                     | ND     |           | ug/kg | 370  | 35. | 2               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 440  | 45. | 2               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 370  | 39. | 2               |
| Acetophenone                                     | ND     |           | ug/kg | 370  | 46. | 2               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 220  | 70. | 2               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 370  | 55. | 2               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 370  | 44. | 2               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 330  | 59. | 2               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 370  | 120 | 2               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 800  | 140 | 2               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 520  | 150 | 2               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 1800 | 170 | 2               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 960  | 180 | 2               |
| Pentachlorophenol                                | ND     |           | ug/kg | 300  | 81. | 2               |
| Phenol                                           | ND     |           | ug/kg | 370  | 56. | 2               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 370  | 57. | 2               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 530  | 58. | 2               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-06 D**Date Collected:** 04/23/18 10:35**Client ID:** EB-07\_1-2**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 370  | 71. | 2               |
| Benzoic Acid                                     | ND     |           | ug/kg | 1200 | 370 | 2               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 370  | 110 | 2               |
| Carbazole                                        | ND     |           | ug/kg | 370  | 36. | 2               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 45         |           | 25-120              |
| Phenol-d6            | 47         |           | 10-120              |
| Nitrobenzene-d5      | 53         |           | 23-120              |
| 2-Fluorobiphenyl     | 47         |           | 30-120              |
| 2,4,6-Tribromophenol | 52         |           | 10-136              |
| 4-Terphenyl-d14      | 38         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-07  
 Client ID: EB-07\_14-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 11:10  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 16:34  
 Analyst: EK  
 Percent Solids: 72%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:38

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 180 | 24. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 230 | 26. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 140 | 26. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 210 | 31. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 230 | 23. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 230 | 41. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 230 | 39. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 230 | 40. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 230 | 61. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 230 | 46. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 230 | 39. | 1               |
| Fluoranthene                                     | 120    | J         | ug/kg | 140 | 26. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 230 | 24. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 230 | 35. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 280 | 39. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 250 | 23. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 230 | 34. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 660 | 210 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 180 | 37. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 210 | 30. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 230 | 28. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 210 | 34. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 180 | 26. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 230 | 35. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 230 | 79. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 230 | 58. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 230 | 43. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 230 | 78. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-07**Date Collected:** 04/23/18 11:10**Client ID:** EB-07\_14-15**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 230  | 21. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 230  | 48. | 1               |
| Benzo(a)anthracene                               | 52     | J         | ug/kg | 140  | 26. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 180  | 56. | 1               |
| Benzo(b)fluoranthene                             | 54     | J         | ug/kg | 140  | 39. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 140  | 37. | 1               |
| Chrysene                                         | 40     | J         | ug/kg | 140  | 24. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 180  | 35. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 140  | 45. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 180  | 27. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 230  | 22. | 1               |
| Phenanthrene                                     | 88     | J         | ug/kg | 140  | 28. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 140  | 26. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 180  | 32. | 1               |
| Pyrene                                           | 100    | J         | ug/kg | 140  | 23. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 520  | 53. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 230  | 42. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 230  | 44. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 230  | 43. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 230  | 95. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 230  | 22. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 280  | 28. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 230  | 24. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 230  | 28. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 140  | 43. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 230  | 34. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 230  | 27. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 210  | 37. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 230  | 76. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 500  | 86. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 320  | 94. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 1100 | 110 | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 600  | 110 | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 180  | 50. | 1               |
| Phenol                                           | ND     |           | ug/kg | 230  | 35. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 230  | 36. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 330  | 36. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-07**Date Collected:** 04/23/18 11:10**Client ID:** EB-07\_14-15**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 230 | 44. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 740 | 230 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 230 | 70. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 230 | 22. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 67         |           | 25-120              |
| Phenol-d6            | 78         |           | 10-120              |
| Nitrobenzene-d5      | 81         |           | 23-120              |
| 2-Fluorobiphenyl     | 74         |           | 30-120              |
| 2,4,6-Tribromophenol | 77         |           | 10-136              |
| 4-Terphenyl-d14      | 68         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-08 D2  
 Client ID: EB-09\_3-4  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 08:40  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/29/18 20:07  
 Analyst: PS  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Semivolatile Organics by GC/MS - Westborough Lab

|              |       |  |       |      |     |    |
|--------------|-------|--|-------|------|-----|----|
| Fluoranthene | 82000 |  | ug/kg | 2800 | 540 | 25 |
| Phenanthrene | 84000 |  | ug/kg | 2800 | 580 | 25 |
| Pyrene       | 70000 |  | ug/kg | 2800 | 470 | 25 |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-08 D  
 Client ID: EB-09\_3-4  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 08:40  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 20:25  
 Analyst: EK  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:38

| Parameter                                        | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Acenaphthene                                     | 10000  |           | ug/kg | 760  | 98. | 5               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 950  | 110 | 5               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 570  | 110 | 5               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 850  | 130 | 5               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 950  | 94. | 5               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 950  | 170 | 5               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 950  | 160 | 5               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 950  | 160 | 5               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 950  | 250 | 5               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 950  | 190 | 5               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 950  | 160 | 5               |
| Fluoranthene                                     | 64000  | E         | ug/kg | 570  | 110 | 5               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 950  | 100 | 5               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 950  | 140 | 5               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 1100 | 160 | 5               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 1000 | 95. | 5               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 950  | 140 | 5               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 2700 | 860 | 5               |
| Hexachloroethane                                 | ND     |           | ug/kg | 760  | 150 | 5               |
| Isophorone                                       | ND     |           | ug/kg | 850  | 120 | 5               |
| Naphthalene                                      | 9200   |           | ug/kg | 950  | 120 | 5               |
| Nitrobenzene                                     | ND     |           | ug/kg | 850  | 140 | 5               |
| NDPA/DPA                                         | ND     |           | ug/kg | 760  | 110 | 5               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 950  | 150 | 5               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 950  | 330 | 5               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 950  | 240 | 5               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 950  | 180 | 5               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 950  | 320 | 5               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-08 D  
 Client ID: EB-09\_3-4  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 08:40  
 Date Received: 04/23/18  
 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 | 950  | 88. | 5               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 950  | 200 | 5               |
| Benzo(a)anthracene                               | 35000  |           | ug/kg | 570  | 110 | 5               |
| Benzo(a)pyrene                                   | 32000  |           | ug/kg | 760  | 230 | 5               |
| Benzo(b)fluoranthene                             | 38000  |           | ug/kg | 570  | 160 | 5               |
| Benzo(k)fluoranthene                             | 11000  |           | ug/kg | 570  | 150 | 5               |
| Chrysene                                         | 28000  |           | ug/kg | 570  | 98. | 5               |
| Acenaphthylene                                   | 6000   |           | ug/kg | 760  | 150 | 5               |
| Anthracene                                       | 22000  |           | ug/kg | 570  | 180 | 5               |
| Benzo(ghi)perylene                               | 17000  |           | ug/kg | 760  | 110 | 5               |
| Fluorene                                         | 10000  |           | ug/kg | 950  | 92. | 5               |
| Phenanthrene                                     | 61000  | E         | ug/kg | 570  | 120 | 5               |
| Dibenzo(a,h)anthracene                           | 4200   |           | ug/kg | 570  | 110 | 5               |
| Indeno(1,2,3-cd)pyrene                           | 19000  |           | ug/kg | 760  | 130 | 5               |
| Pyrene                                           | 56000  | E         | ug/kg | 570  | 94. | 5               |
| Biphenyl                                         | 2000   | J         | ug/kg | 2200 | 220 | 5               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 950  | 170 | 5               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 950  | 180 | 5               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 950  | 180 | 5               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 950  | 390 | 5               |
| Dibenzofuran                                     | 7800   |           | ug/kg | 950  | 90. | 5               |
| 2-Methylnaphthalene                              | 4600   |           | ug/kg | 1100 | 110 | 5               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 950  | 99. | 5               |
| Acetophenone                                     | ND     |           | ug/kg | 950  | 120 | 5               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 570  | 180 | 5               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 950  | 140 | 5               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 950  | 110 | 5               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 850  | 150 | 5               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 950  | 310 | 5               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 2000 | 360 | 5               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 1300 | 390 | 5               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 4500 | 440 | 5               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 2500 | 450 | 5               |
| Pentachlorophenol                                | ND     |           | ug/kg | 760  | 210 | 5               |
| Phenol                                           | 290    | J         | ug/kg | 950  | 140 | 5               |
| 2-Methylphenol                                   | 180    | J         | ug/kg | 950  | 150 | 5               |
| 3-Methylphenol/4-Methylphenol                    | 520    | J         | ug/kg | 1400 | 150 | 5               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-08 D**Date Collected:** 04/23/18 08:40**Client ID:** EB-09\_3-4**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 950  | 180 | 5               |
| Benzoic Acid                                     | ND     |           | ug/kg | 3100 | 960 | 5               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 950  | 290 | 5               |
| Carbazole                                        | 7600   |           | ug/kg | 950  | 92. | 5               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 76         |           | 25-120              |
| Phenol-d6            | 81         |           | 10-120              |
| Nitrobenzene-d5      | 86         |           | 23-120              |
| 2-Fluorobiphenyl     | 69         |           | 30-120              |
| 2,4,6-Tribromophenol | 90         |           | 10-136              |
| 4-Terphenyl-d14      | 57         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-09  
 Client ID: EB-09\_14-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 08:50  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 17:00  
 Analyst: EK  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:38

| 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 | 37. | 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                                     | ND     |           | ug/kg | 120 | 24. | 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 | 32. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 200 | 71. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 200 | 52. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 200 | 39. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 200 | 70. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-09**Date Collected:** 04/23/18 08:50**Client ID:** EB-09\_14-15**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | ND     |           | ug/kg | 120 | 23. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 160 | 50. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 120 | 34. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 120 | 33. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 120 | 21. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 160 | 32. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 120 | 40. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 160 | 24. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 200 | 20. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 120 | 25. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 120 | 24. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 160 | 28. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 120 | 20. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 470 | 48. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 200 | 37. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 200 | 39. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 200 | 39. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 200 | 85. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 200 | 19. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 240 | 25. | 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 | 39. | 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 | 68. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 440 | 77. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 290 | 84. | 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:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-09**Date Collected:** 04/23/18 08:50**Client ID:** EB-09\_14-15**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 210 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 200 | 63. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 200 | 20. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 86         |           | 25-120              |
| Phenol-d6            | 93         |           | 10-120              |
| Nitrobenzene-d5      | 95         |           | 23-120              |
| 2-Fluorobiphenyl     | 88         |           | 30-120              |
| 2,4,6-Tribromophenol | 101        |           | 10-136              |
| 4-Terphenyl-d14      | 87         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-10  
 Client ID: FIELD BLANK  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:45  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 23:02  
 Analyst: EK

Extraction Method: EPA 3510C  
 Extraction Date: 04/24/18 22:07

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.66 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.67 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.69 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.71 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 1.4  | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 7.8  | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.75 | 1               |
| NDPA/DPA                                         | ND     |           | ug/l  | 2.0 | 0.64 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.70 | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.91 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.69 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.65 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.76 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.3  | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-10**Date Collected:** 04/23/18 13:45**Client ID:** FIELD BLANK**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 0.66 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.67 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.85 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.68 | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.63 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 1.6  | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.5  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.8  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 5.5  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 2.1  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 1.9  | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 13.  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.72 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.63 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 48         |           | 21-120              |
| Phenol-d6            | 37         |           | 10-120              |
| Nitrobenzene-d5      | 69         |           | 23-120              |
| 2-Fluorobiphenyl     | 74         |           | 15-120              |
| 2,4,6-Tribromophenol | 83         |           | 10-120              |
| 4-Terphenyl-d14      | 84         |           | 41-149              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-10  
 Client ID: FIELD BLANK  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:45  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 04/27/18 16:53  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 04/24/18 22:14

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.04 | 1               |
| Fluoranthene                                         | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.04 | 1               |
| Naphthalene                                          | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(a)pyrene                                       | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(b)fluoranthene                                 | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Chrysene                                             | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Anthracene                                           | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Fluorene                                             | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Phenanthrene                                         | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Indeno(1,2,3-cd)pyrene                               | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Pyrene                                               | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| 2-Methylnaphthalene                                  | ND     |           | ug/l  | 0.10 | 0.05 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.22 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.03 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.03 | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-10**Date Collected:** 04/23/18 13:45**Client ID:** FIELD BLANK**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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       | 36         |           | 21-120              |
| Phenol-d6            | 31         |           | 10-120              |
| Nitrobenzene-d5      | 56         |           | 23-120              |
| 2-Fluorobiphenyl     | 62         |           | 15-120              |
| 2,4,6-Tribromophenol | 70         |           | 10-120              |
| 4-Terphenyl-d14      | 63         |           | 41-149              |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 12:19  
 Analyst: SZ

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:24

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1109169-1 |        |           |       |     |     |
| Acenaphthene                                                                             | ND     |           | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene                                                                   | ND     |           | ug/kg | 160 | 19. |
| Hexachlorobenzene                                                                        | ND     |           | ug/kg | 98  | 18. |
| Bis(2-chloroethyl)ether                                                                  | ND     |           | ug/kg | 150 | 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 | 44. |
| 2,4-Dinitrotoluene                                                                       | ND     |           | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene                                                                       | ND     |           | ug/kg | 160 | 28. |
| Fluoranthene                                                                             | ND     |           | ug/kg | 98  | 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 | 26. |
| 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 | 56. |
| 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: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 12:19  
 Analyst: SZ

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:24

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1109169-1 |        |           |       |     |     |
| Dimethyl phthalate                                                                       | ND     |           | ug/kg | 160 | 34. |
| Benzo(a)anthracene                                                                       | ND     |           | ug/kg | 98  | 18. |
| Benzo(a)pyrene                                                                           | ND     |           | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene                                                                     | ND     |           | ug/kg | 98  | 28. |
| Benzo(k)fluoranthene                                                                     | ND     |           | ug/kg | 98  | 26. |
| Chrysene                                                                                 | ND     |           | ug/kg | 98  | 17. |
| Acenaphthylene                                                                           | ND     |           | ug/kg | 130 | 25. |
| Anthracene                                                                               | ND     |           | ug/kg | 98  | 32. |
| Benzo(ghi)perylene                                                                       | ND     |           | ug/kg | 130 | 19. |
| Fluorene                                                                                 | ND     |           | ug/kg | 160 | 16. |
| Phenanthrene                                                                             | ND     |           | ug/kg | 98  | 20. |
| Dibenzo(a,h)anthracene                                                                   | ND     |           | ug/kg | 98  | 19. |
| Indeno(1,2,3-cd)pyrene                                                                   | ND     |           | ug/kg | 130 | 23. |
| Pyrene                                                                                   | ND     |           | ug/kg | 98  | 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 | 15. |
| 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 | 98  | 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 | 350 | 61. |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 12:19  
 Analyst: SZ

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:24

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1109169-1 |        |           |       |     |     |
| 4-Nitrophenol                                                                            | ND     |           | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol                                                                        | ND     |           | ug/kg | 780 | 76. |
| 4,6-Dinitro-o-cresol                                                                     | ND     |           | ug/kg | 420 | 78. |
| 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 | 31. |
| Benzoic Acid                                                                             | ND     |           | ug/kg | 530 | 160 |
| Benzyl Alcohol                                                                           | ND     |           | ug/kg | 160 | 50. |
| Carbazole                                                                                | ND     |           | ug/kg | 160 | 16. |

#### Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 80        |           | 25-120                 |
| Phenol-d6            | 87        |           | 10-120                 |
| Nitrobenzene-d5      | 88        |           | 23-120                 |
| 2-Fluorobiphenyl     | 83        |           | 30-120                 |
| 2,4,6-Tribromophenol | 97        |           | 10-136                 |
| 4-Terphenyl-d14      | 94        |           | 18-120                 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/24/18 21:11  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 04/24/18 11:51

| Parameter                                                                             | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1109274-1 |        |           |       |     |      |
| Acenaphthene                                                                          | ND     |           | ug/l  | 2.0 | 0.59 |
| 1,2,4-Trichlorobenzene                                                                | ND     |           | ug/l  | 5.0 | 0.66 |
| Hexachlorobenzene                                                                     | ND     |           | ug/l  | 2.0 | 0.58 |
| Bis(2-chloroethyl)ether                                                               | ND     |           | ug/l  | 2.0 | 0.67 |
| 2-Chloronaphthalene                                                                   | ND     |           | ug/l  | 2.0 | 0.64 |
| 1,2-Dichlorobenzene                                                                   | ND     |           | ug/l  | 2.0 | 0.73 |
| 1,3-Dichlorobenzene                                                                   | ND     |           | ug/l  | 2.0 | 0.69 |
| 1,4-Dichlorobenzene                                                                   | ND     |           | ug/l  | 2.0 | 0.71 |
| 3,3'-Dichlorobenzidine                                                                | ND     |           | ug/l  | 5.0 | 1.4  |
| 2,4-Dinitrotoluene                                                                    | ND     |           | ug/l  | 5.0 | 0.84 |
| 2,6-Dinitrotoluene                                                                    | ND     |           | ug/l  | 5.0 | 1.1  |
| Fluoranthene                                                                          | ND     |           | ug/l  | 2.0 | 0.57 |
| 4-Chlorophenyl phenyl ether                                                           | ND     |           | ug/l  | 2.0 | 0.62 |
| 4-Bromophenyl phenyl ether                                                            | ND     |           | ug/l  | 2.0 | 0.73 |
| Bis(2-chloroisopropyl)ether                                                           | ND     |           | ug/l  | 2.0 | 0.70 |
| Bis(2-chloroethoxy)methane                                                            | ND     |           | ug/l  | 5.0 | 0.63 |
| Hexachlorobutadiene                                                                   | ND     |           | ug/l  | 2.0 | 0.72 |
| Hexachlorocyclopentadiene                                                             | ND     |           | ug/l  | 20  | 7.8  |
| Hexachloroethane                                                                      | ND     |           | ug/l  | 2.0 | 0.68 |
| Isophorone                                                                            | ND     |           | ug/l  | 5.0 | 0.60 |
| Naphthalene                                                                           | ND     |           | ug/l  | 2.0 | 0.68 |
| Nitrobenzene                                                                          | ND     |           | ug/l  | 2.0 | 0.75 |
| NDPA/DPA                                                                              | ND     |           | ug/l  | 2.0 | 0.64 |
| n-Nitrosodi-n-propylamine                                                             | ND     |           | ug/l  | 5.0 | 0.70 |
| Bis(2-ethylhexyl)phthalate                                                            | ND     |           | ug/l  | 3.0 | 0.91 |
| Butyl benzyl phthalate                                                                | ND     |           | ug/l  | 5.0 | 1.3  |
| Di-n-butylphthalate                                                                   | ND     |           | ug/l  | 5.0 | 0.69 |
| Di-n-octylphthalate                                                                   | ND     |           | ug/l  | 5.0 | 1.1  |
| Diethyl phthalate                                                                     | ND     |           | ug/l  | 5.0 | 0.63 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/24/18 21:11  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 04/24/18 11:51

| Parameter                                                                             | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1109274-1 |        |           |       |     |      |
| Dimethyl phthalate                                                                    | ND     |           | ug/l  | 5.0 | 0.65 |
| Benzo(a)anthracene                                                                    | ND     |           | ug/l  | 2.0 | 0.61 |
| Benzo(a)pyrene                                                                        | ND     |           | ug/l  | 2.0 | 0.54 |
| Benzo(b)fluoranthene                                                                  | ND     |           | ug/l  | 2.0 | 0.64 |
| Benzo(k)fluoranthene                                                                  | ND     |           | ug/l  | 2.0 | 0.60 |
| Chrysene                                                                              | ND     |           | ug/l  | 2.0 | 0.54 |
| Acenaphthylene                                                                        | ND     |           | ug/l  | 2.0 | 0.66 |
| Anthracene                                                                            | ND     |           | ug/l  | 2.0 | 0.64 |
| Benzo(ghi)perylene                                                                    | ND     |           | ug/l  | 2.0 | 0.61 |
| Fluorene                                                                              | ND     |           | ug/l  | 2.0 | 0.62 |
| Phenanthrene                                                                          | ND     |           | ug/l  | 2.0 | 0.61 |
| Dibenzo(a,h)anthracene                                                                | ND     |           | ug/l  | 2.0 | 0.55 |
| Indeno(1,2,3-cd)pyrene                                                                | ND     |           | ug/l  | 2.0 | 0.71 |
| Pyrene                                                                                | ND     |           | ug/l  | 2.0 | 0.57 |
| Biphenyl                                                                              | ND     |           | ug/l  | 2.0 | 0.76 |
| 4-Chloroaniline                                                                       | ND     |           | ug/l  | 5.0 | 0.63 |
| 2-Nitroaniline                                                                        | ND     |           | ug/l  | 5.0 | 1.1  |
| 3-Nitroaniline                                                                        | ND     |           | ug/l  | 5.0 | 1.2  |
| 4-Nitroaniline                                                                        | ND     |           | ug/l  | 5.0 | 1.3  |
| Dibenzofuran                                                                          | ND     |           | ug/l  | 2.0 | 0.66 |
| 2-Methylnaphthalene                                                                   | ND     |           | ug/l  | 2.0 | 0.72 |
| 1,2,4,5-Tetrachlorobenzene                                                            | ND     |           | ug/l  | 10  | 0.67 |
| Acetophenone                                                                          | ND     |           | ug/l  | 5.0 | 0.85 |
| 2,4,6-Trichlorophenol                                                                 | ND     |           | ug/l  | 5.0 | 0.68 |
| p-Chloro-m-cresol                                                                     | ND     |           | ug/l  | 2.0 | 0.62 |
| 2-Chlorophenol                                                                        | ND     |           | ug/l  | 2.0 | 0.63 |
| 2,4-Dichlorophenol                                                                    | ND     |           | ug/l  | 5.0 | 0.77 |
| 2,4-Dimethylphenol                                                                    | ND     |           | ug/l  | 5.0 | 1.6  |
| 2-Nitrophenol                                                                         | ND     |           | ug/l  | 10  | 1.5  |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/24/18 21:11  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 04/24/18 11:51

| Parameter                                                                             | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1109274-1 |        |           |       |     |      |
| 4-Nitrophenol                                                                         | ND     |           | ug/l  | 10  | 1.8  |
| 2,4-Dinitrophenol                                                                     | ND     |           | ug/l  | 20  | 5.5  |
| 4,6-Dinitro-o-cresol                                                                  | ND     |           | ug/l  | 10  | 2.1  |
| Pentachlorophenol                                                                     | ND     |           | ug/l  | 10  | 3.4  |
| Phenol                                                                                | ND     |           | ug/l  | 5.0 | 1.9  |
| 2-Methylphenol                                                                        | ND     |           | ug/l  | 5.0 | 1.0  |
| 3-Methylphenol/4-Methylphenol                                                         | ND     |           | ug/l  | 5.0 | 1.1  |
| 2,4,5-Trichlorophenol                                                                 | ND     |           | ug/l  | 5.0 | 0.72 |
| Benzoic Acid                                                                          | ND     |           | ug/l  | 50  | 13.  |
| Benzyl Alcohol                                                                        | ND     |           | ug/l  | 2.0 | 0.72 |
| Carbazole                                                                             | ND     |           | ug/l  | 2.0 | 0.63 |

#### Tentatively Identified Compounds

|                     |      |   |      |
|---------------------|------|---|------|
| Total TIC Compounds | 7.59 | J | ug/l |
| Aldol Condensates   | 7.59 | J | ug/l |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 48        |           | 21-120                 |
| Phenol-d6            | 34        |           | 10-120                 |
| Nitrobenzene-d5      | 70        |           | 23-120                 |
| 2-Fluorobiphenyl     | 81        |           | 15-120                 |
| 2,4,6-Tribromophenol | 83        |           | 10-120                 |
| 4-Terphenyl-d14      | 90        |           | 41-149                 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 04/25/18 12:10  
 Analyst: KL

Extraction Method: EPA 3510C  
 Extraction Date: 04/24/18 11:51

| Parameter                                                                                 | Result | Qualifier | Units | RL   | MDL  |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10 Batch: WG1109276-1 |        |           |       |      |      |
| Acenaphthene                                                                              | ND     |           | ug/l  | 0.10 | 0.04 |
| 2-Chloronaphthalene                                                                       | ND     |           | ug/l  | 0.20 | 0.04 |
| Fluoranthene                                                                              | ND     |           | ug/l  | 0.10 | 0.04 |
| Hexachlorobutadiene                                                                       | ND     |           | ug/l  | 0.50 | 0.04 |
| Naphthalene                                                                               | 0.05   | J         | ug/l  | 0.10 | 0.04 |
| Benzo(a)anthracene                                                                        | ND     |           | ug/l  | 0.10 | 0.02 |
| Benzo(a)pyrene                                                                            | ND     |           | ug/l  | 0.10 | 0.04 |
| Benzo(b)fluoranthene                                                                      | ND     |           | ug/l  | 0.10 | 0.02 |
| Benzo(k)fluoranthene                                                                      | ND     |           | ug/l  | 0.10 | 0.04 |
| Chrysene                                                                                  | ND     |           | ug/l  | 0.10 | 0.04 |
| Acenaphthylene                                                                            | ND     |           | ug/l  | 0.10 | 0.04 |
| Anthracene                                                                                | ND     |           | ug/l  | 0.10 | 0.04 |
| Benzo(ghi)perylene                                                                        | ND     |           | ug/l  | 0.10 | 0.04 |
| Fluorene                                                                                  | ND     |           | ug/l  | 0.10 | 0.04 |
| Phenanthrene                                                                              | ND     |           | ug/l  | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene                                                                    | ND     |           | ug/l  | 0.10 | 0.04 |
| Indeno(1,2,3-cd)pyrene                                                                    | ND     |           | ug/l  | 0.10 | 0.04 |
| Pyrene                                                                                    | ND     |           | ug/l  | 0.10 | 0.04 |
| 2-Methylnaphthalene                                                                       | ND     |           | ug/l  | 0.10 | 0.05 |
| Pentachlorophenol                                                                         | ND     |           | ug/l  | 0.80 | 0.22 |
| Hexachlorobenzene                                                                         | ND     |           | ug/l  | 0.80 | 0.03 |
| Hexachloroethane                                                                          | ND     |           | ug/l  | 0.80 | 0.03 |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**Method Blank Analysis**  
**Batch Quality Control**Analytical Method: 1,8270D-SIM  
Analytical Date: 04/25/18 12:10  
Analyst: KLExtraction Method: EPA 3510C  
Extraction Date: 04/24/18 11:51

| Parameter                                                                                 | Result | Qualifier | Units | RL | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10 Batch: WG1109276-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 36        |           | 21-120              |
| Phenol-d6            | 29        |           | 10-120              |
| Nitrobenzene-d5      | 68        |           | 23-120              |
| 2-Fluorobiphenyl     | 72        |           | 15-120              |
| 2,4,6-Tribromophenol | 56        |           | 10-120              |
| 4-Terphenyl-d14      | 73        |           | 41-149              |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1109169-2 WG1109169-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                | 75               |      | 80                |      | 31-137              | 6   |      | 50            |
| 1,2,4-Trichlorobenzene                                                                                      | 72               |      | 79                |      | 38-107              | 9   |      | 50            |
| Hexachlorobenzene                                                                                           | 78               |      | 81                |      | 40-140              | 4   |      | 50            |
| Bis(2-chloroethyl)ether                                                                                     | 70               |      | 76                |      | 40-140              | 8   |      | 50            |
| 2-Chloronaphthalene                                                                                         | 74               |      | 83                |      | 40-140              | 11  |      | 50            |
| 1,2-Dichlorobenzene                                                                                         | 68               |      | 74                |      | 40-140              | 8   |      | 50            |
| 1,3-Dichlorobenzene                                                                                         | 67               |      | 72                |      | 40-140              | 7   |      | 50            |
| 1,4-Dichlorobenzene                                                                                         | 68               |      | 73                |      | 28-104              | 7   |      | 50            |
| 3,3'-Dichlorobenzidine                                                                                      | 62               |      | 63                |      | 40-140              | 2   |      | 50            |
| 2,4-Dinitrotoluene                                                                                          | 95               |      | 99                |      | 40-132              | 4   |      | 50            |
| 2,6-Dinitrotoluene                                                                                          | 88               |      | 101               |      | 40-140              | 14  |      | 50            |
| Fluoranthene                                                                                                | 85               |      | 82                |      | 40-140              | 4   |      | 50            |
| 4-Chlorophenyl phenyl ether                                                                                 | 76               |      | 81                |      | 40-140              | 6   |      | 50            |
| 4-Bromophenyl phenyl ether                                                                                  | 80               |      | 84                |      | 40-140              | 5   |      | 50            |
| Bis(2-chloroisopropyl)ether                                                                                 | 75               |      | 82                |      | 40-140              | 9   |      | 50            |
| Bis(2-chloroethoxy)methane                                                                                  | 74               |      | 85                |      | 40-117              | 14  |      | 50            |
| Hexachlorobutadiene                                                                                         | 72               |      | 75                |      | 40-140              | 4   |      | 50            |
| Hexachlorocyclopentadiene                                                                                   | 62               |      | 69                |      | 40-140              | 11  |      | 50            |
| Hexachloroethane                                                                                            | 70               |      | 76                |      | 40-140              | 8   |      | 50            |
| Isophorone                                                                                                  | 78               |      | 90                |      | 40-140              | 14  |      | 50            |
| Naphthalene                                                                                                 | 72               |      | 77                |      | 40-140              | 7   |      | 50            |
| Nitrobenzene                                                                                                | 78               |      | 88                |      | 40-140              | 12  |      | 50            |
| NDPA/DPA                                                                                                    | 79               |      | 83                |      | 36-157              | 5   |      | 50            |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814188

Report Date: 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1109169-2 WG1109169-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine                                                                                   | 79               |      | 89                |      | 32-121              | 12  |      | 50            |
| Bis(2-ethylhexyl)phthalate                                                                                  | 92               |      | 97                |      | 40-140              | 5   |      | 50            |
| Butyl benzyl phthalate                                                                                      | 94               |      | 85                |      | 40-140              | 10  |      | 50            |
| Di-n-butylphthalate                                                                                         | 95               |      | 97                |      | 40-140              | 2   |      | 50            |
| Di-n-octylphthalate                                                                                         | 94               |      | 101               |      | 40-140              | 7   |      | 50            |
| Diethyl phthalate                                                                                           | 79               |      | 83                |      | 40-140              | 5   |      | 50            |
| Dimethyl phthalate                                                                                          | 78               |      | 91                |      | 40-140              | 15  |      | 50            |
| Benzo(a)anthracene                                                                                          | 82               |      | 86                |      | 40-140              | 5   |      | 50            |
| Benzo(a)pyrene                                                                                              | 89               |      | 94                |      | 40-140              | 5   |      | 50            |
| Benzo(b)fluoranthene                                                                                        | 88               |      | 89                |      | 40-140              | 1   |      | 50            |
| Benzo(k)fluoranthene                                                                                        | 79               |      | 87                |      | 40-140              | 10  |      | 50            |
| Chrysene                                                                                                    | 77               |      | 81                |      | 40-140              | 5   |      | 50            |
| Acenaphthylene                                                                                              | 79               |      | 91                |      | 40-140              | 14  |      | 50            |
| Anthracene                                                                                                  | 80               |      | 85                |      | 40-140              | 6   |      | 50            |
| Benzo(ghi)perylene                                                                                          | 84               |      | 90                |      | 40-140              | 7   |      | 50            |
| Fluorene                                                                                                    | 78               |      | 83                |      | 40-140              | 6   |      | 50            |
| Phenanthrene                                                                                                | 76               |      | 81                |      | 40-140              | 6   |      | 50            |
| Dibenzo(a,h)anthracene                                                                                      | 85               |      | 90                |      | 40-140              | 6   |      | 50            |
| Indeno(1,2,3-cd)pyrene                                                                                      | 92               |      | 99                |      | 40-140              | 7   |      | 50            |
| Pyrene                                                                                                      | 82               |      | 78                |      | 35-142              | 5   |      | 50            |
| Biphenyl                                                                                                    | 77               |      | 87                |      | 54-104              | 12  |      | 50            |
| 4-Chloroaniline                                                                                             | 54               |      | 57                |      | 40-140              | 5   |      | 50            |
| 2-Nitroaniline                                                                                              | 92               |      | 107               |      | 47-134              | 15  |      | 50            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1109169-2 WG1109169-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline                                                                                              | 58               |      | 59                |      | 26-129              | 2   |      | 50            |
| 4-Nitroaniline                                                                                              | 83               |      | 80                |      | 41-125              | 4   |      | 50            |
| Dibenzofuran                                                                                                | 75               |      | 80                |      | 40-140              | 6   |      | 50            |
| 2-Methylnaphthalene                                                                                         | 75               |      | 83                |      | 40-140              | 10  |      | 50            |
| 1,2,4,5-Tetrachlorobenzene                                                                                  | 76               |      | 85                |      | 40-117              | 11  |      | 50            |
| Acetophenone                                                                                                | 79               |      | 88                |      | 14-144              | 11  |      | 50            |
| 2,4,6-Trichlorophenol                                                                                       | 91               |      | 104               |      | 30-130              | 13  |      | 50            |
| p-Chloro-m-cresol                                                                                           | 89               |      | 103               |      | 26-103              | 15  |      | 50            |
| 2-Chlorophenol                                                                                              | 78               |      | 88                |      | 25-102              | 12  |      | 50            |
| 2,4-Dichlorophenol                                                                                          | 85               |      | 99                |      | 30-130              | 15  |      | 50            |
| 2,4-Dimethylphenol                                                                                          | 81               |      | 97                |      | 30-130              | 18  |      | 50            |
| 2-Nitrophenol                                                                                               | 91               |      | 105               |      | 30-130              | 14  |      | 50            |
| 4-Nitrophenol                                                                                               | 94               |      | 94                |      | 11-114              | 0   |      | 50            |
| 2,4-Dinitrophenol                                                                                           | 80               |      | 76                |      | 4-130               | 5   |      | 50            |
| 4,6-Dinitro-o-cresol                                                                                        | 93               |      | 94                |      | 10-130              | 1   |      | 50            |
| Pentachlorophenol                                                                                           | 77               |      | 77                |      | 17-109              | 0   |      | 50            |
| Phenol                                                                                                      | 71               |      | 81                |      | 26-90               | 13  |      | 50            |
| 2-Methylphenol                                                                                              | 80               |      | 92                |      | 30-130.             | 14  |      | 50            |
| 3-Methylphenol/4-Methylphenol                                                                               | 81               |      | 95                |      | 30-130              | 16  |      | 50            |
| 2,4,5-Trichlorophenol                                                                                       | 90               |      | 103               |      | 30-130              | 13  |      | 50            |
| Benzoic Acid                                                                                                | 26               |      | 23                |      | 10-110              | 12  |      | 50            |
| Benzyl Alcohol                                                                                              | 86               |      | 97                |      | 40-140              | 12  |      | 50            |
| Carbazole                                                                                                   | 83               |      | 84                |      | 54-128              | 1   |      | 50            |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1109169-2 WG1109169-3

| <b>Surrogate</b>     | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 2-Fluorophenol       | 80                       |             | 87                        |             | 25-120                         |
| Phenol-d6            | 83                       |             | 92                        |             | 10-120                         |
| Nitrobenzene-d5      | 84                       |             | 92                        |             | 23-120                         |
| 2-Fluorobiphenyl     | 79                       |             | 88                        |             | 30-120                         |
| 2,4,6-Tribromophenol | 93                       |             | 95                        |             | 10-136                         |
| 4-Terphenyl-d14      | 84                       |             | 79                        |             | 18-120                         |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1109274-2 WG1109274-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                             | 84               |      | 82                |      | 37-111              | 2   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                   | 70               |      | 66                |      | 39-98               | 6   |      | 30            |
| Hexachlorobenzene                                                                                        | 91               |      | 88                |      | 40-140              | 3   |      | 30            |
| Bis(2-chloroethyl)ether                                                                                  | 74               |      | 70                |      | 40-140              | 6   |      | 30            |
| 2-Chloronaphthalene                                                                                      | 86               |      | 80                |      | 40-140              | 7   |      | 30            |
| 1,2-Dichlorobenzene                                                                                      | 64               |      | 63                |      | 40-140              | 2   |      | 30            |
| 1,3-Dichlorobenzene                                                                                      | 61               |      | 61                |      | 40-140              | 0   |      | 30            |
| 1,4-Dichlorobenzene                                                                                      | 62               |      | 61                |      | 36-97               | 2   |      | 30            |
| 3,3'-Dichlorobenzidine                                                                                   | 60               |      | 61                |      | 40-140              | 2   |      | 30            |
| 2,4-Dinitrotoluene                                                                                       | 99               |      | 98                |      | 48-143              | 1   |      | 30            |
| 2,6-Dinitrotoluene                                                                                       | 101              |      | 96                |      | 40-140              | 5   |      | 30            |
| Fluoranthene                                                                                             | 93               |      | 91                |      | 40-140              | 2   |      | 30            |
| 4-Chlorophenyl phenyl ether                                                                              | 88               |      | 86                |      | 40-140              | 2   |      | 30            |
| 4-Bromophenyl phenyl ether                                                                               | 93               |      | 89                |      | 40-140              | 4   |      | 30            |
| Bis(2-chloroisopropyl)ether                                                                              | 74               |      | 71                |      | 40-140              | 4   |      | 30            |
| Bis(2-chloroethoxy)methane                                                                               | 82               |      | 75                |      | 40-140              | 9   |      | 30            |
| Hexachlorobutadiene                                                                                      | 70               |      | 68                |      | 40-140              | 3   |      | 30            |
| Hexachlorocyclopentadiene                                                                                | 70               |      | 68                |      | 40-140              | 3   |      | 30            |
| Hexachloroethane                                                                                         | 61               |      | 59                |      | 40-140              | 3   |      | 30            |
| Isophorone                                                                                               | 84               |      | 78                |      | 40-140              | 7   |      | 30            |
| Naphthalene                                                                                              | 76               |      | 72                |      | 40-140              | 5   |      | 30            |
| Nitrobenzene                                                                                             | 75               |      | 72                |      | 40-140              | 4   |      | 30            |
| NDPA/DPA                                                                                                 | 89               |      | 85                |      | 40-140              | 5   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1109274-2 WG1109274-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine                                                                                | 81               |      | 76                |      | 29-132              | 6   |      | 30            |
| Bis(2-ethylhexyl)phthalate                                                                               | 96               |      | 94                |      | 40-140              | 2   |      | 30            |
| Butyl benzyl phthalate                                                                                   | 99               |      | 105               |      | 40-140              | 6   |      | 30            |
| Di-n-butylphthalate                                                                                      | 95               |      | 92                |      | 40-140              | 3   |      | 30            |
| Di-n-octylphthalate                                                                                      | 94               |      | 93                |      | 40-140              | 1   |      | 30            |
| Diethyl phthalate                                                                                        | 92               |      | 89                |      | 40-140              | 3   |      | 30            |
| Dimethyl phthalate                                                                                       | 92               |      | 87                |      | 40-140              | 6   |      | 30            |
| Benzo(a)anthracene                                                                                       | 88               |      | 87                |      | 40-140              | 1   |      | 30            |
| Benzo(a)pyrene                                                                                           | 91               |      | 92                |      | 40-140              | 1   |      | 30            |
| Benzo(b)fluoranthene                                                                                     | 95               |      | 94                |      | 40-140              | 1   |      | 30            |
| Benzo(k)fluoranthene                                                                                     | 92               |      | 90                |      | 40-140              | 2   |      | 30            |
| Chrysene                                                                                                 | 89               |      | 88                |      | 40-140              | 1   |      | 30            |
| Acenaphthylene                                                                                           | 90               |      | 85                |      | 45-123              | 6   |      | 30            |
| Anthracene                                                                                               | 91               |      | 88                |      | 40-140              | 3   |      | 30            |
| Benzo(ghi)perylene                                                                                       | 91               |      | 91                |      | 40-140              | 0   |      | 30            |
| Fluorene                                                                                                 | 89               |      | 86                |      | 40-140              | 3   |      | 30            |
| Phenanthrene                                                                                             | 90               |      | 88                |      | 40-140              | 2   |      | 30            |
| Dibenzo(a,h)anthracene                                                                                   | 92               |      | 91                |      | 40-140              | 1   |      | 30            |
| Indeno(1,2,3-cd)pyrene                                                                                   | 92               |      | 90                |      | 40-140              | 2   |      | 30            |
| Pyrene                                                                                                   | 93               |      | 91                |      | 26-127              | 2   |      | 30            |
| Biphenyl                                                                                                 | 89               |      | 84                |      | 40-140              | 6   |      | 30            |
| 4-Chloroaniline                                                                                          | 60               |      | 52                |      | 40-140              | 14  |      | 30            |
| 2-Nitroaniline                                                                                           | 98               |      | 96                |      | 52-143              | 2   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1109274-2 WG1109274-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline                                                                                           | 75               |      | 73                |      | 25-145              | 3   |      | 30            |
| 4-Nitroaniline                                                                                           | 97               |      | 95                |      | 51-143              | 2   |      | 30            |
| Dibenzofuran                                                                                             | 88               |      | 86                |      | 40-140              | 2   |      | 30            |
| 2-Methylnaphthalene                                                                                      | 83               |      | 80                |      | 40-140              | 4   |      | 30            |
| 1,2,4,5-Tetrachlorobenzene                                                                               | 83               |      | 78                |      | 2-134               | 6   |      | 30            |
| Acetophenone                                                                                             | 80               |      | 77                |      | 39-129              | 4   |      | 30            |
| 2,4,6-Trichlorophenol                                                                                    | 90               |      | 86                |      | 30-130              | 5   |      | 30            |
| p-Chloro-m-cresol                                                                                        | 90               |      | 83                |      | 23-97               | 8   |      | 30            |
| 2-Chlorophenol                                                                                           | 70               |      | 68                |      | 27-123              | 3   |      | 30            |
| 2,4-Dichlorophenol                                                                                       | 83               |      | 81                |      | 30-130              | 2   |      | 30            |
| 2,4-Dimethylphenol                                                                                       | 80               |      | 77                |      | 30-130              | 4   |      | 30            |
| 2-Nitrophenol                                                                                            | 78               |      | 78                |      | 30-130              | 0   |      | 30            |
| 4-Nitrophenol                                                                                            | 56               |      | 59                |      | 10-80               | 5   |      | 30            |
| 2,4-Dinitrophenol                                                                                        | 79               |      | 77                |      | 20-130              | 3   |      | 30            |
| 4,6-Dinitro-o-cresol                                                                                     | 89               |      | 88                |      | 20-164              | 1   |      | 30            |
| Pentachlorophenol                                                                                        | 90               |      | 90                |      | 9-103               | 0   |      | 30            |
| Phenol                                                                                                   | 39               |      | 38                |      | 12-110              | 3   |      | 30            |
| 2-Methylphenol                                                                                           | 72               |      | 69                |      | 30-130              | 4   |      | 30            |
| 3-Methylphenol/4-Methylphenol                                                                            | 68               |      | 66                |      | 30-130              | 3   |      | 30            |
| 2,4,5-Trichlorophenol                                                                                    | 94               |      | 88                |      | 30-130              | 7   |      | 30            |
| Benzoic Acid                                                                                             | 19               |      | 13                |      | 10-164              | 38  | Q    | 30            |
| Benzyl Alcohol                                                                                           | 70               |      | 68                |      | 26-116              | 3   |      | 30            |
| Carbazole                                                                                                | 92               |      | 90                |      | 55-144              | 2   |      | 30            |



**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1109274-2 WG1109274-3

| <b>Surrogate</b>     | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 2-Fluorophenol       | 47                       |             | 47                        |             | 21-120                         |
| Phenol-d6            | 36                       |             | 36                        |             | 10-120                         |
| Nitrobenzene-d5      | 75                       |             | 73                        |             | 23-120                         |
| 2-Fluorobiphenyl     | 89                       |             | 85                        |             | 15-120                         |
| 2,4,6-Tribromophenol | 96                       |             | 92                        |             | 10-120                         |
| 4-Terphenyl-d14      | 93                       |             | 89                        |             | 41-149                         |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10 Batch: WG1109276-2 WG1109276-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                 | 65               |      | 62                |      | 40-140              | 5   |      | 40            |
| 2-Chloronaphthalene                                                                                          | 59               |      | 56                |      | 40-140              | 5   |      | 40            |
| Fluoranthene                                                                                                 | 69               |      | 69                |      | 40-140              | 0   |      | 40            |
| Hexachlorobutadiene                                                                                          | 58               |      | 53                |      | 40-140              | 9   |      | 40            |
| Naphthalene                                                                                                  | 61               |      | 56                |      | 40-140              | 9   |      | 40            |
| Benzo(a)anthracene                                                                                           | 72               |      | 72                |      | 40-140              | 0   |      | 40            |
| Benzo(a)pyrene                                                                                               | 71               |      | 71                |      | 40-140              | 0   |      | 40            |
| Benzo(b)fluoranthene                                                                                         | 74               |      | 74                |      | 40-140              | 0   |      | 40            |
| Benzo(k)fluoranthene                                                                                         | 70               |      | 70                |      | 40-140              | 0   |      | 40            |
| Chrysene                                                                                                     | 73               |      | 73                |      | 40-140              | 0   |      | 40            |
| Acenaphthylene                                                                                               | 65               |      | 63                |      | 40-140              | 3   |      | 40            |
| Anthracene                                                                                                   | 69               |      | 68                |      | 40-140              | 1   |      | 40            |
| Benzo(ghi)perylene                                                                                           | 71               |      | 71                |      | 40-140              | 0   |      | 40            |
| Fluorene                                                                                                     | 68               |      | 67                |      | 40-140              | 1   |      | 40            |
| Phenanthrene                                                                                                 | 68               |      | 66                |      | 40-140              | 3   |      | 40            |
| Dibenzo(a,h)anthracene                                                                                       | 72               |      | 72                |      | 40-140              | 0   |      | 40            |
| Indeno(1,2,3-cd)pyrene                                                                                       | 73               |      | 73                |      | 40-140              | 0   |      | 40            |
| Pyrene                                                                                                       | 70               |      | 69                |      | 40-140              | 1   |      | 40            |
| 2-Methylnaphthalene                                                                                          | 62               |      | 58                |      | 40-140              | 7   |      | 40            |
| Pentachlorophenol                                                                                            | 52               |      | 48                |      | 40-140              | 8   |      | 40            |
| Hexachlorobenzene                                                                                            | 68               |      | 67                |      | 40-140              | 1   |      | 40            |
| Hexachloroethane                                                                                             | 52               |      | 48                |      | 40-140              | 8   |      | 40            |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10 Batch: WG1109276-2 WG1109276-3

| <b>Surrogate</b>     | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 2-Fluorophenol       | 36                       |             | 35                        |             | 21-120                         |
| Phenol-d6            | 29                       |             | 28                        |             | 10-120                         |
| Nitrobenzene-d5      | 69                       |             | 64                        |             | 23-120                         |
| 2-Fluorobiphenyl     | 73                       |             | 71                        |             | 15-120                         |
| 2,4,6-Tribromophenol | 60                       |             | 59                        |             | 10-120                         |
| 4-Terphenyl-d14      | 73                       |             | 73                        |             | 41-149                         |

# PCBS

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-01**Date Collected:** 04/23/18 13:20**Client ID:** EB-03\_1-2**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/24/18 11:09**Analytical Date:** 04/26/18 22:10**Cleanup Method:** EPA 3665A**Analyst:** HT**Cleanup Date:** 04/24/18**Percent Solids:** 86%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/24/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 36.6 | 4.15 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 36.6 | 5.57 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 36.6 | 3.60 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 36.6 | 4.48 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 36.6 | 4.11 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 36.6 | 2.99 | 1               | A      |
| Aroclor 1260                                      | 22.3   | J         | ug/kg | 36.6 | 3.82 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 36.6 | 3.01 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 36.6 | 2.59 | 1               | A      |
| PCBs, Total                                       | 22.3   | J         | ug/kg | 36.6 | 2.59 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 88         |           | 30-150              | A      |
| Decachlorobiphenyl           | 84         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 95         |           | 30-150              | B      |
| Decachlorobiphenyl           | 67         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-02**Date Collected:** 04/23/18 13:30**Client ID:** EB-03\_16-17**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/24/18 11:09**Analytical Date:** 04/26/18 22:22**Cleanup Method:** EPA 3665A**Analyst:** HT**Cleanup Date:** 04/24/18**Percent Solids:** 90%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/24/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 35.0 | 3.97 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 35.0 | 5.32 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 35.0 | 3.44 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 35.0 | 4.28 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 35.0 | 3.92 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 35.0 | 2.85 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 35.0 | 3.65 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 35.0 | 2.88 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 35.0 | 2.48 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 35.0 | 2.48 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 98         |           | 30-150              | A      |
| Decachlorobiphenyl           | 92         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 91         |           | 30-150              | B      |
| Decachlorobiphenyl           | 66         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-03**Date Collected:** 04/23/18 13:40**Client ID:** EB-03\_23-24**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/24/18 11:09**Analytical Date:** 04/26/18 22:35**Cleanup Method:** EPA 3665A**Analyst:** HT**Cleanup Date:** 04/24/18**Percent Solids:** 79%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/24/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 39.5 | 4.48 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 39.5 | 6.01 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 39.5 | 3.88 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 39.5 | 4.83 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 39.5 | 4.43 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 39.5 | 3.22 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 39.5 | 4.12 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 39.5 | 3.24 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 39.5 | 2.80 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 39.5 | 2.80 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 91         |           | 30-150              | A      |
| Decachlorobiphenyl           | 78         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 96         |           | 30-150              | B      |
| Decachlorobiphenyl           | 65         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-04**Date Collected:** 04/23/18 09:30**Client ID:** EB-04\_0-1**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/24/18 11:09**Analytical Date:** 04/26/18 22:47**Cleanup Method:** EPA 3665A**Analyst:** HT**Cleanup Date:** 04/24/18**Percent Solids:** 88%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/24/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 36.1 | 4.10 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 36.1 | 5.50 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 36.1 | 3.55 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 36.1 | 4.42 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 36.1 | 4.05 | 1               | A      |
| Aroclor 1254                                      | 28.0   | J         | ug/kg | 36.1 | 2.95 | 1               | A      |
| Aroclor 1260                                      | 25.2   | J         | ug/kg | 36.1 | 3.77 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 36.1 | 2.97 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 36.1 | 2.56 | 1               | A      |
| PCBs, Total                                       | 53.2   | J         | ug/kg | 36.1 | 2.56 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 75         |           | 30-150              | A      |
| Decachlorobiphenyl           | 64         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | B      |
| Decachlorobiphenyl           | 53         |           | 30-150              | B      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-05  
 Client ID: EB-04\_15-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 09:40  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 04/26/18 23:00  
 Analyst: HT  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 11:09  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/24/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/24/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 37.2 | 4.22 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 37.2 | 5.66 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 37.2 | 3.66 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 37.2 | 4.55 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 37.2 | 4.17 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 37.2 | 3.03 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 37.2 | 3.88 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 37.2 | 3.06 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 37.2 | 2.63 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 37.2 | 2.63 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 95         |           | 30-150              | A      |
| Decachlorobiphenyl           | 77         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 101        |           | 30-150              | B      |
| Decachlorobiphenyl           | 68         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-06**Date Collected:** 04/23/18 10:35**Client ID:** EB-07\_1-2**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/24/18 11:09**Analytical Date:** 04/26/18 23:12**Cleanup Method:** EPA 3665A**Analyst:** HT**Cleanup Date:** 04/24/18**Percent Solids:** 89%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/24/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 35.6 | 4.04 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 35.6 | 5.42 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 35.6 | 3.50 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 35.6 | 4.36 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 35.6 | 4.00 | 1               | A      |
| Aroclor 1254                                      | 9.71   | J         | ug/kg | 35.6 | 2.91 | 1               | A      |
| Aroclor 1260                                      | 11.1   | J         | ug/kg | 35.6 | 3.72 | 1               | B      |
| Aroclor 1262                                      | ND     |           | ug/kg | 35.6 | 2.93 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 35.6 | 2.52 | 1               | A      |
| PCBs, Total                                       | 20.8   | J         | ug/kg | 35.6 | 2.52 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 91         |           | 30-150              | A      |
| Decachlorobiphenyl           | 65         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 95         |           | 30-150              | B      |
| Decachlorobiphenyl           | 56         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-07**Date Collected:** 04/23/18 11:10**Client ID:** EB-07\_14-15**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/24/18 11:09**Analytical Date:** 04/26/18 23:25**Cleanup Method:** EPA 3665A**Analyst:** HT**Cleanup Date:** 04/24/18**Percent Solids:** 72%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/24/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 45.8 | 5.20 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 45.8 | 6.98 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 45.8 | 4.51 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 45.8 | 5.61 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 45.8 | 5.14 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 45.8 | 3.74 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 45.8 | 4.78 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 45.8 | 3.77 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 45.8 | 3.24 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 45.8 | 3.24 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 47         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 81         |           | 30-150              | B      |
| Decachlorobiphenyl           | 43         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-08**Date Collected:** 04/23/18 08:40**Client ID:** EB-09\_3-4**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/24/18 11:09**Analytical Date:** 04/26/18 23:37**Cleanup Method:** EPA 3665A**Analyst:** HT**Cleanup Date:** 04/24/18**Percent Solids:** 87%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/24/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 37.9 | 4.30 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 37.9 | 5.77 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 37.9 | 3.73 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 37.9 | 4.64 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 37.9 | 4.26 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 37.9 | 3.10 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 37.9 | 3.96 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 37.9 | 3.12 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 37.9 | 2.68 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 37.9 | 2.68 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 85         |           | 30-150              | A      |
| Decachlorobiphenyl           | 60         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 81         |           | 30-150              | B      |
| Decachlorobiphenyl           | 48         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-09  
 Client ID: EB-09\_14-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 08:50  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 04/26/18 23:50  
 Analyst: HT  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 11:09  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/24/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/24/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 41.4 | 4.70 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 41.4 | 6.30 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 41.4 | 4.08 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 41.4 | 5.07 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 41.4 | 4.65 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 41.4 | 3.38 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 41.4 | 4.32 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 41.4 | 3.40 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 41.4 | 2.93 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 41.4 | 2.93 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | A      |
| Decachlorobiphenyl           | 37         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 76         |           | 30-150              | B      |
| Decachlorobiphenyl           | 37         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-10  
 Client ID: FIELD BLANK  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:45  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 04/26/18 19:29  
 Analyst: HT

Extraction Method: EPA 3510C  
 Extraction Date: 04/24/18 21:59  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/25/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.030 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.023 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.035 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 91         |           | 30-150              | A      |
| Decachlorobiphenyl           | 77         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 99         |           | 30-150              | B      |
| Decachlorobiphenyl           | 65         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**Method Blank Analysis**  
**Batch Quality Control**Analytical Method: 1,8082A  
Analytical Date: 04/24/18 21:44  
Analyst: HTExtraction Method: EPA 3510C  
Extraction Date: 04/24/18 01:21  
Cleanup Method: EPA 3665A  
Cleanup Date: 04/24/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 04/24/18

| Parameter                                                                              | Result | Qualifier | Units | RL    | MDL   | Column |
|----------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG1109088-1 |        |           |       |       |       |        |
| Aroclor 1016                                                                           | ND     |           | ug/l  | 0.083 | 0.020 | A      |
| Aroclor 1221                                                                           | ND     |           | ug/l  | 0.083 | 0.032 | A      |
| Aroclor 1232                                                                           | ND     |           | ug/l  | 0.083 | 0.027 | A      |
| Aroclor 1242                                                                           | ND     |           | ug/l  | 0.083 | 0.030 | A      |
| Aroclor 1248                                                                           | ND     |           | ug/l  | 0.083 | 0.023 | A      |
| Aroclor 1254                                                                           | ND     |           | ug/l  | 0.083 | 0.035 | A      |
| Aroclor 1260                                                                           | ND     |           | ug/l  | 0.083 | 0.020 | A      |
| Aroclor 1262                                                                           | ND     |           | ug/l  | 0.083 | 0.017 | A      |
| Aroclor 1268                                                                           | 0.028  | J         | ug/l  | 0.083 | 0.027 | A      |
| PCBs, Total                                                                            | 0.028  | J         | ug/l  | 0.083 | 0.017 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 89        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 115       |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 99        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 80        |           | 30-150                 | B      |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A  
 Analytical Date: 04/24/18 22:59  
 Analyst: HT

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 05:09  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/24/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/24/18

| Parameter                                                                                 | Result | Qualifier | Units | RL   | MDL  | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-09 Batch: WG1109117-1 |        |           |       |      |      |        |
| Aroclor 1016                                                                              | ND     |           | ug/kg | 33.3 | 3.78 | A      |
| Aroclor 1221                                                                              | ND     |           | ug/kg | 33.3 | 5.07 | A      |
| Aroclor 1232                                                                              | ND     |           | ug/kg | 33.3 | 3.28 | A      |
| Aroclor 1242                                                                              | ND     |           | ug/kg | 33.3 | 4.08 | A      |
| Aroclor 1248                                                                              | ND     |           | ug/kg | 33.3 | 3.74 | A      |
| Aroclor 1254                                                                              | ND     |           | ug/kg | 33.3 | 2.72 | A      |
| Aroclor 1260                                                                              | ND     |           | ug/kg | 33.3 | 3.48 | A      |
| Aroclor 1262                                                                              | ND     |           | ug/kg | 33.3 | 2.74 | A      |
| Aroclor 1268                                                                              | ND     |           | ug/kg | 33.3 | 2.36 | A      |
| PCBs, Total                                                                               | ND     |           | ug/kg | 33.3 | 2.36 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 109       |           | 30-150                 | A      |
| Decachlorobiphenyl           | 101       |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 102       |           | 30-150                 | B      |
| Decachlorobiphenyl           | 101       |           | 30-150                 | B      |



# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                 | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|-----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG1109088-2 WG1109088-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                              | 101              |      | 94                |      | 40-140              | 7   |      | 50            | A      |
| Aroclor 1260                                                                                              | 107              |      | 105               |      | 40-140              | 2   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 85               |      | 78                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 111              |      | 107               |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 89               |      | 82                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 77               |      | 73                |      | 30-150                 | B      |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1109117-2 WG1109117-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                                 | 86               |      | 75                |      | 40-140              | 14  |      | 50            | A      |
| Aroclor 1260                                                                                                 | 84               |      | 76                |      | 40-140              | 10  |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 111              |      | 96                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 100              |      | 90                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 102              |      | 83                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 99               |      | 84                |      | 30-150                 | B      |

# PESTICIDES

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-01

Date Collected: 04/23/18 13:20

Client ID: EB-03\_1-2

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 04/24/18 13:15

Analytical Date: 04/27/18 12:58

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 04/25/18

Percent Solids: 86%

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.76  | 0.346 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.735 | 0.329 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.735 | 0.209 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.76  | 0.669 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.882 | 0.396 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.76  | 0.621 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.31  | 0.992 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.735 | 0.301 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.20  | 0.772 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.76  | 0.454 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.10  | 0.551 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.76  | 0.408 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.76  | 0.629 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.31  | 1.42  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.76  | 0.417 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.76  | 0.590 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.735 | 0.350 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.31  | 1.03  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 33.1  | 9.26  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.20  | 0.614 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.20  | 0.582 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.3  | 5.84  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-01

Date Collected: 04/23/18 13:20

Client ID: EB-03\_1-2

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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 | 83         |           | 30-150              | B      |
| Decachlorobiphenyl           | 63         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 82         |           | 30-150              | A      |
| Decachlorobiphenyl           | 74         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-02  
 Client ID: EB-03\_16-17  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:30  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/27/18 13:10  
 Analyst: KEG  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 13:15  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.71  | 0.336 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.714 | 0.319 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.714 | 0.203 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.71  | 0.650 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.857 | 0.384 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.71  | 0.603 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.21  | 0.964 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.714 | 0.293 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.14  | 0.750 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.71  | 0.441 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.07  | 0.536 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.71  | 0.396 | 1               | B      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.71  | 0.611 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.21  | 1.38  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.71  | 0.405 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.71  | 0.573 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.714 | 0.340 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.21  | 1.00  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 32.1  | 9.00  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.14  | 0.597 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.14  | 0.566 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.9  | 5.68  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-02**Date Collected:** 04/23/18 13:30**Client ID:** EB-03\_16-17**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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           | 74         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | A      |
| Decachlorobiphenyl           | 67         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-03  
 Client ID: EB-03\_23-24  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:40  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/27/18 13:23  
 Analyst: KEG  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 13:15  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.98  | 0.387 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.824 | 0.368 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.824 | 0.234 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.98  | 0.750 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.988 | 0.443 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.98  | 0.696 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.71  | 1.11  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.824 | 0.338 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.47  | 0.865 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.98  | 0.509 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.24  | 0.618 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.98  | 0.457 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.98  | 0.705 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.71  | 1.59  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.98  | 0.467 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.98  | 0.661 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.824 | 0.392 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.71  | 1.15  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 37.1  | 10.4  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.47  | 0.689 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.47  | 0.652 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 16.1  | 6.55  | 1               | A      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-03

Date Collected: 04/23/18 13:40

Client ID: EB-03\_23-24

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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           | 88         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 81         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-04  
 Client ID: EB-04\_0-1  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 09:30  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/27/18 13:36  
 Analyst: KEG  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 13:15  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.79  | 0.350 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.745 | 0.333 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.745 | 0.211 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.79  | 0.678 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.894 | 0.401 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.79  | 0.629 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.35  | 1.00  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.745 | 0.305 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.23  | 0.782 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.79  | 0.460 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.12  | 0.558 | 1               | A      |
| 4,4'-DDE                                          | 1.21   | JPI       | ug/kg | 1.79  | 0.413 | 1               | B      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.79  | 0.637 | 1               | A      |
| 4,4'-DDT                                          | 6.87   |           | ug/kg | 3.35  | 1.44  | 1               | B      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.79  | 0.422 | 1               | A      |
| Endosulfan II                                     | ND     | PI        | ug/kg | 1.79  | 0.597 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.745 | 0.354 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.35  | 1.04  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 33.5  | 9.38  | 1               | A      |
| cis-Chlordane                                     | 1.58   | J         | ug/kg | 2.23  | 0.622 | 1               | A      |
| trans-Chlordane                                   | 0.837  | J         | ug/kg | 2.23  | 0.590 | 1               | B      |
| Chlordane                                         | ND     |           | ug/kg | 14.5  | 5.92  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-04**Date Collected:** 04/23/18 09:30**Client ID:** EB-04\_0-1**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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           | 53         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | A      |
| Decachlorobiphenyl           | 56         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-05  
 Client ID: EB-04\_15-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 09:40  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/27/18 20:02  
 Analyst: KEG  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 13:15  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.74  | 0.340 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.723 | 0.323 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.723 | 0.205 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.74  | 0.658 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.868 | 0.389 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.74  | 0.611 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.26  | 0.976 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.723 | 0.296 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.17  | 0.760 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.74  | 0.447 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.08  | 0.542 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.74  | 0.401 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.74  | 0.619 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.26  | 1.40  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.74  | 0.410 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.74  | 0.580 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.723 | 0.344 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.26  | 1.01  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 32.6  | 9.11  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.17  | 0.605 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.17  | 0.573 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.1  | 5.75  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-05

Date Collected: 04/23/18 09:40

Client ID: EB-04\_15-16

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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 | 75         |           | 30-150              | B      |
| Decachlorobiphenyl           | 73         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | A      |
| Decachlorobiphenyl           | 69         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-06  
 Client ID: EB-07\_1-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 10:35  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/27/18 14:01  
 Analyst: KEG  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 13:15  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.80  | 0.353 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.752 | 0.336 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.752 | 0.214 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.80  | 0.684 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.902 | 0.404 | 1               | B      |
| Aldrin                                            | ND     |           | ug/kg | 1.80  | 0.635 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.38  | 1.02  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.752 | 0.308 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.26  | 0.790 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.80  | 0.465 | 1               | A      |
| Dieldrin                                          | 1.84   | P         | ug/kg | 1.13  | 0.564 | 1               | A      |
| 4,4'-DDE                                          | 1.42   | J         | ug/kg | 1.80  | 0.417 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.80  | 0.644 | 1               | A      |
| 4,4'-DDT                                          | 4.48   |           | ug/kg | 3.38  | 1.45  | 1               | B      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.80  | 0.426 | 1               | A      |
| Endosulfan II                                     | ND     | PI        | ug/kg | 1.80  | 0.603 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.752 | 0.358 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.38  | 1.05  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 33.8  | 9.47  | 1               | A      |
| cis-Chlordane                                     | 1.68   | JPI       | ug/kg | 2.26  | 0.629 | 1               | B      |
| trans-Chlordane                                   | 1.66   | J         | ug/kg | 2.26  | 0.596 | 1               | B      |
| Chlordane                                         | 16.9   | PI        | ug/kg | 14.7  | 5.98  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-06**Date Collected:** 04/23/18 10:35**Client ID:** EB-07\_1-2**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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           | 46         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | A      |
| Decachlorobiphenyl           | 53         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-07  
 Client ID: EB-07\_14-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 11:10  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/27/18 20:14  
 Analyst: KEG  
 Percent Solids: 72%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 13:15  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 2.17  | 0.425 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.905 | 0.404 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.905 | 0.257 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 2.17  | 0.823 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 1.08  | 0.487 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 2.17  | 0.764 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 4.07  | 1.22  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.905 | 0.371 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.71  | 0.950 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 2.17  | 0.559 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.36  | 0.678 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 2.17  | 0.502 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 2.17  | 0.774 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 4.07  | 1.75  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 2.17  | 0.513 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 2.17  | 0.726 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.905 | 0.431 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 4.07  | 1.27  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 40.7  | 11.4  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.71  | 0.756 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.71  | 0.716 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 17.6  | 7.19  | 1               | A      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-07**Date Collected:** 04/23/18 11:10**Client ID:** EB-07\_14-15**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 75         |           | 30-150              | B      |
| Decachlorobiphenyl           | 71         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | A      |
| Decachlorobiphenyl           | 72         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-08  
 Client ID: EB-09\_3-4  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 08:40  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/27/18 14:26  
 Analyst: KEG  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 13:15  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.77  | 0.347 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.738 | 0.330 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.738 | 0.209 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.77  | 0.671 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.885 | 0.397 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.77  | 0.623 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.32  | 0.996 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.738 | 0.302 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.21  | 0.774 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.77  | 0.456 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.11  | 0.553 | 1               | A      |
| 4,4'-DDE                                          | 8.98   |           | ug/kg | 1.77  | 0.409 | 1               | B      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.77  | 0.631 | 1               | A      |
| 4,4'-DDT                                          | 15.4   | PI        | ug/kg | 3.32  | 1.42  | 1               | B      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.77  | 0.418 | 1               | A      |
| Endosulfan II                                     | 8.25   | PI        | ug/kg | 1.77  | 0.592 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.738 | 0.351 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.32  | 1.03  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 33.2  | 9.29  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.21  | 0.617 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.21  | 0.584 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.4  | 5.86  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-08**Date Collected:** 04/23/18 08:40**Client ID:** EB-09\_3-4**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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           | 131         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 79          |           | 30-150              | A      |
| Decachlorobiphenyl           | <b>1340</b> | Q         | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-09  
 Client ID: EB-09\_14-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 08:50  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/27/18 20:27  
 Analyst: KEG  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 13:15  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 2.00  | 0.391 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.832 | 0.372 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.832 | 0.236 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 2.00  | 0.757 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.998 | 0.447 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 2.00  | 0.703 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.74  | 1.12  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.832 | 0.341 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.49  | 0.873 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 2.00  | 0.514 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.25  | 0.624 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 2.00  | 0.462 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 2.00  | 0.712 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.74  | 1.60  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 2.00  | 0.472 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 2.00  | 0.667 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.832 | 0.396 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.74  | 1.16  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 37.4  | 10.5  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.49  | 0.695 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.49  | 0.659 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 16.2  | 6.61  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-09**Date Collected:** 04/23/18 08:50**Client ID:** EB-09\_14-15**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 77         |           | 30-150              | B      |
| Decachlorobiphenyl           | 77         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 71         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-10  
 Client ID: FIELD BLANK  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/23/18 13:45  
 Date Received: 04/23/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 04/26/18 09:48  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 04/24/18 22:03

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.020 | 0.005 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.020 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/l  | 0.040 | 0.008 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.200 | 0.007 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.200 | 0.063 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.020 | 0.007 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.200 | 0.046 | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-10**Date Collected:** 04/23/18 13:45**Client ID:** FIELD BLANK**Date Received:** 04/23/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 93         |           | 30-150              | A      |
| Decachlorobiphenyl           | 80         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 95         |           | 30-150              | B      |
| Decachlorobiphenyl           | 87         |           | 30-150              | B      |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 04/25/18 16:11  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 04/24/18 01:35

| Parameter                                                                              | Result | Qualifier | Units | RL    | MDL   | Column |
|----------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 10 Batch: WG1109089-1 |        |           |       |       |       |        |
| Delta-BHC                                                                              | ND     |           | ug/l  | 0.020 | 0.005 | A      |
| Lindane                                                                                | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Alpha-BHC                                                                              | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Beta-BHC                                                                               | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Heptachlor                                                                             | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Aldrin                                                                                 | ND     |           | ug/l  | 0.020 | 0.002 | A      |
| Heptachlor epoxide                                                                     | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Endrin                                                                                 | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endrin aldehyde                                                                        | ND     |           | ug/l  | 0.040 | 0.008 | A      |
| Endrin ketone                                                                          | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Dieldrin                                                                               | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDE                                                                               | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDD                                                                               | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| 4,4'-DDT                                                                               | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endosulfan I                                                                           | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Endosulfan II                                                                          | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Endosulfan sulfate                                                                     | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Methoxychlor                                                                           | ND     |           | ug/l  | 0.200 | 0.007 | A      |
| Toxaphene                                                                              | ND     |           | ug/l  | 0.200 | 0.063 | A      |
| cis-Chlordane                                                                          | ND     |           | ug/l  | 0.020 | 0.007 | A      |
| trans-Chlordane                                                                        | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Chlordane                                                                              | ND     |           | ug/l  | 0.200 | 0.046 | A      |



Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 04/25/18 16:11  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 04/24/18 01:35

| Parameter                                                                              | Result | Qualifier | Units | RL | MDL | Column |
|----------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 10 Batch: WG1109089-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 101       |           | 30-150                 | A      |
| Decachlorobiphenyl           | 84        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 100       |           | 30-150                 | B      |
| Decachlorobiphenyl           | 90        |           | 30-150                 | B      |

Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 04/27/18 12:26  
 Analyst: KEG

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 13:15  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                                                                 | Result | Qualifier | Units | RL    | MDL   | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-09 Batch: WG1109273-1 |        |           |       |       |       |        |
| Delta-BHC                                                                                 | ND     |           | ug/kg | 1.53  | 0.299 | A      |
| Lindane                                                                                   | ND     |           | ug/kg | 0.636 | 0.284 | A      |
| Alpha-BHC                                                                                 | ND     |           | ug/kg | 0.636 | 0.181 | A      |
| Beta-BHC                                                                                  | ND     |           | ug/kg | 1.53  | 0.579 | A      |
| Heptachlor                                                                                | ND     |           | ug/kg | 0.764 | 0.342 | A      |
| Aldrin                                                                                    | ND     |           | ug/kg | 1.53  | 0.538 | A      |
| Heptachlor epoxide                                                                        | ND     |           | ug/kg | 2.86  | 0.859 | A      |
| Endrin                                                                                    | ND     |           | ug/kg | 0.636 | 0.261 | A      |
| Endrin aldehyde                                                                           | ND     |           | ug/kg | 1.91  | 0.668 | A      |
| Endrin ketone                                                                             | ND     |           | ug/kg | 1.53  | 0.393 | A      |
| Dieldrin                                                                                  | ND     |           | ug/kg | 0.955 | 0.477 | A      |
| 4,4'-DDE                                                                                  | ND     |           | ug/kg | 1.53  | 0.353 | A      |
| 4,4'-DDD                                                                                  | ND     |           | ug/kg | 1.53  | 0.545 | A      |
| 4,4'-DDT                                                                                  | ND     |           | ug/kg | 2.86  | 1.23  | A      |
| Endosulfan I                                                                              | ND     |           | ug/kg | 1.53  | 0.361 | A      |
| Endosulfan II                                                                             | ND     |           | ug/kg | 1.53  | 0.510 | A      |
| Endosulfan sulfate                                                                        | ND     |           | ug/kg | 0.636 | 0.303 | A      |
| Methoxychlor                                                                              | ND     |           | ug/kg | 2.86  | 0.891 | A      |
| Toxaphene                                                                                 | ND     |           | ug/kg | 28.6  | 8.02  | A      |
| cis-Chlordane                                                                             | ND     |           | ug/kg | 1.91  | 0.532 | A      |
| trans-Chlordane                                                                           | ND     |           | ug/kg | 1.91  | 0.504 | A      |
| Chlordane                                                                                 | ND     |           | ug/kg | 12.4  | 5.06  | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**Method Blank Analysis**  
**Batch Quality Control**Analytical Method: 1,8081B  
Analytical Date: 04/27/18 12:26  
Analyst: KEGExtraction Method: EPA 3546  
Extraction Date: 04/24/18 13:15  
Cleanup Method: EPA 3620B  
Cleanup Date: 04/25/18

| Parameter                                                                                 | Result | Qualifier | Units | RL | MDL | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-09 Batch: WG1109273-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 107       |           | 30-150                 | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 85        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 85        |           | 30-150                 | A      |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                 | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|-----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 10 Batch: WG1109089-2 WG1109089-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                 | 123              |      | 105               |      | 30-150              | 16  |      | 20            | A      |
| Lindane                                                                                                   | 116              |      | 100               |      | 30-150              | 15  |      | 20            | A      |
| Alpha-BHC                                                                                                 | 118              |      | 103               |      | 30-150              | 14  |      | 20            | A      |
| Beta-BHC                                                                                                  | 100              |      | 88                |      | 30-150              | 13  |      | 20            | A      |
| Heptachlor                                                                                                | 106              |      | 92                |      | 30-150              | 14  |      | 20            | A      |
| Aldrin                                                                                                    | 109              |      | 98                |      | 30-150              | 11  |      | 20            | A      |
| Heptachlor epoxide                                                                                        | 105              |      | 94                |      | 30-150              | 11  |      | 20            | A      |
| Endrin                                                                                                    | 113              |      | 99                |      | 30-150              | 13  |      | 20            | A      |
| Endrin aldehyde                                                                                           | 96               |      | 86                |      | 30-150              | 11  |      | 20            | A      |
| Endrin ketone                                                                                             | 107              |      | 96                |      | 30-150              | 11  |      | 20            | A      |
| Dieldrin                                                                                                  | 112              |      | 97                |      | 30-150              | 15  |      | 20            | A      |
| 4,4'-DDE                                                                                                  | 105              |      | 95                |      | 30-150              | 10  |      | 20            | A      |
| 4,4'-DDD                                                                                                  | 109              |      | 96                |      | 30-150              | 13  |      | 20            | A      |
| 4,4'-DDT                                                                                                  | 113              |      | 99                |      | 30-150              | 13  |      | 20            | A      |
| Endosulfan I                                                                                              | 99               |      | 88                |      | 30-150              | 12  |      | 20            | A      |
| Endosulfan II                                                                                             | 99               |      | 88                |      | 30-150              | 12  |      | 20            | A      |
| Endosulfan sulfate                                                                                        | 101              |      | 89                |      | 30-150              | 13  |      | 20            | A      |
| Methoxychlor                                                                                              | 125              |      | 111               |      | 30-150              | 12  |      | 20            | A      |
| cis-Chlordane                                                                                             | 102              |      | 91                |      | 30-150              | 12  |      | 20            | A      |
| trans-Chlordane                                                                                           | 104              |      | 93                |      | 30-150              | 12  |      | 20            | A      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 10 Batch: WG1109089-2 WG1109089-3

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 103                      |             | 87                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 86                       |             | 78                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 102                      |             | 88                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 93                       |             | 83                        |             | 30-150                         | B             |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1109273-2 WG1109273-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                    | 75               |      | 79                |      | 30-150              | 5   |      | 30            | A      |
| Lindane                                                                                                      | 76               |      | 80                |      | 30-150              | 5   |      | 30            | A      |
| Alpha-BHC                                                                                                    | 82               |      | 85                |      | 30-150              | 4   |      | 30            | A      |
| Beta-BHC                                                                                                     | 74               |      | 78                |      | 30-150              | 5   |      | 30            | A      |
| Heptachlor                                                                                                   | 55               |      | 57                |      | 30-150              | 4   |      | 30            | A      |
| Aldrin                                                                                                       | 78               |      | 80                |      | 30-150              | 3   |      | 30            | A      |
| Heptachlor epoxide                                                                                           | 74               |      | 77                |      | 30-150              | 4   |      | 30            | A      |
| Endrin                                                                                                       | 78               |      | 81                |      | 30-150              | 4   |      | 30            | A      |
| Endrin aldehyde                                                                                              | 36               |      | 46                |      | 30-150              | 24  |      | 30            | A      |
| Endrin ketone                                                                                                | 47               |      | 57                |      | 30-150              | 19  |      | 30            | A      |
| Dieldrin                                                                                                     | 80               |      | 84                |      | 30-150              | 5   |      | 30            | A      |
| 4,4'-DDE                                                                                                     | 82               |      | 84                |      | 30-150              | 2   |      | 30            | A      |
| 4,4'-DDD                                                                                                     | 73               |      | 76                |      | 30-150              | 4   |      | 30            | A      |
| 4,4'-DDT                                                                                                     | 77               |      | 81                |      | 30-150              | 5   |      | 30            | A      |
| Endosulfan I                                                                                                 | 75               |      | 76                |      | 30-150              | 1   |      | 30            | A      |
| Endosulfan II                                                                                                | 60               |      | 68                |      | 30-150              | 13  |      | 30            | A      |
| Endosulfan sulfate                                                                                           | 36               |      | 45                |      | 30-150              | 22  |      | 30            | A      |
| Methoxychlor                                                                                                 | 64               |      | 73                |      | 30-150              | 13  |      | 30            | A      |
| cis-Chlordane                                                                                                | 75               |      | 81                |      | 30-150              | 8   |      | 30            | A      |
| trans-Chlordane                                                                                              | 76               |      | 79                |      | 30-150              | 4   |      | 30            | A      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1109273-2 WG1109273-3

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 78                       |             | 77                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 107                      |             | 104                       |             | 30-150                         | B             |
| 2,4,5,6-Tetrachloro-m-xylene | 85                       |             | 85                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 89                       |             | 86                        |             | 30-150                         | A             |

## METALS



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-01

Date Collected: 04/23/18 13:20

Client ID: EB-03\_1-2

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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              | 6800   |           | mg/kg | 9.00  | 2.43  | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Antimony, Total              | ND     |           | mg/kg | 4.50  | 0.342 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Arsenic, Total               | 6.05   |           | mg/kg | 0.900 | 0.187 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Barium, Total                | 69.1   |           | mg/kg | 0.900 | 0.156 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Beryllium, Total             | 0.342  | J         | mg/kg | 0.450 | 0.030 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 0.900 | 0.088 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Calcium, Total               | 22000  |           | mg/kg | 9.00  | 3.15  | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Chromium, Total              | 12.3   |           | mg/kg | 0.900 | 0.086 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Cobalt, Total                | 5.70   |           | mg/kg | 1.80  | 0.149 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Copper, Total                | 44.8   |           | mg/kg | 0.900 | 0.232 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Iron, Total                  | 15300  |           | mg/kg | 4.50  | 0.813 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Lead, Total                  | 200    |           | mg/kg | 4.50  | 0.241 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Magnesium, Total             | 2550   |           | mg/kg | 9.00  | 1.38  | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Manganese, Total             | 334    |           | mg/kg | 0.900 | 0.143 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Mercury, Total               | 0.435  |           | mg/kg | 0.074 | 0.016 | 1               | 04/25/18 08:00 | 04/25/18 17:56 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 13.7   |           | mg/kg | 2.25  | 0.218 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Potassium, Total             | 967    |           | mg/kg | 225   | 13.0  | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Selenium, Total              | 0.315  | J         | mg/kg | 1.80  | 0.232 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Silver, Total                | ND     |           | mg/kg | 0.900 | 0.255 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Sodium, Total                | 275    |           | mg/kg | 180   | 2.83  | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Thallium, Total              | ND     |           | mg/kg | 1.80  | 0.283 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Vanadium, Total              | 17.8   |           | mg/kg | 0.900 | 0.183 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |
| Zinc, Total                  | 63.5   |           | mg/kg | 4.50  | 0.264 | 2               | 04/24/18 19:40 | 04/25/18 10:07 | EPA 3050B   | 1,6010C           | PE      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-02

Date Collected: 04/23/18 13:30

Client ID: EB-03\_16-17

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 5740   |           | mg/kg | 8.62  | 2.33  | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Antimony, Total              | ND     |           | mg/kg | 4.31  | 0.328 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Arsenic, Total               | 2.42   |           | mg/kg | 0.862 | 0.179 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Barium, Total                | 14.3   |           | mg/kg | 0.862 | 0.150 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Beryllium, Total             | 0.172  | J         | mg/kg | 0.431 | 0.028 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 0.862 | 0.085 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Calcium, Total               | 1240   |           | mg/kg | 8.62  | 3.02  | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Chromium, Total              | 9.07   |           | mg/kg | 0.862 | 0.083 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Cobalt, Total                | 4.04   |           | mg/kg | 1.72  | 0.143 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Copper, Total                | 9.23   |           | mg/kg | 0.862 | 0.222 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Iron, Total                  | 10200  |           | mg/kg | 4.31  | 0.778 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Lead, Total                  | 8.68   |           | mg/kg | 4.31  | 0.231 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Magnesium, Total             | 1980   |           | mg/kg | 8.62  | 1.33  | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Manganese, Total             | 71.0   |           | mg/kg | 0.862 | 0.137 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Mercury, Total               | ND     |           | mg/kg | 0.071 | 0.015 | 1               | 04/25/18 08:00 | 04/25/18 17:58 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 9.94   |           | mg/kg | 2.15  | 0.209 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Potassium, Total             | 396    |           | mg/kg | 215   | 12.4  | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Selenium, Total              | ND     |           | mg/kg | 1.72  | 0.222 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Silver, Total                | ND     |           | mg/kg | 0.862 | 0.244 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Sodium, Total                | 99.0   | J         | mg/kg | 172   | 2.72  | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Thallium, Total              | ND     |           | mg/kg | 1.72  | 0.272 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Vanadium, Total              | 11.9   |           | mg/kg | 0.862 | 0.175 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |
| Zinc, Total                  | 27.6   |           | mg/kg | 4.31  | 0.252 | 2               | 04/24/18 19:40 | 04/25/18 10:11 | EPA 3050B   | 1,6010C           | PE      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-03

Date Collected: 04/23/18 13:40

Client ID: EB-03\_23-24

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 3440   |           | mg/kg | 9.83  | 2.65  | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Antimony, Total              | ND     |           | mg/kg | 4.92  | 0.374 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Arsenic, Total               | 0.875  | J         | mg/kg | 0.983 | 0.204 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Barium, Total                | 11.0   |           | mg/kg | 0.983 | 0.171 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Beryllium, Total             | 0.108  | J         | mg/kg | 0.492 | 0.032 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 0.983 | 0.096 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Calcium, Total               | 331    |           | mg/kg | 9.83  | 3.44  | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Chromium, Total              | 6.57   |           | mg/kg | 0.983 | 0.094 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Cobalt, Total                | 2.08   |           | mg/kg | 1.97  | 0.163 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Copper, Total                | 5.19   |           | mg/kg | 0.983 | 0.254 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Iron, Total                  | 4150   |           | mg/kg | 4.92  | 0.888 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Lead, Total                  | 2.07   | J         | mg/kg | 4.92  | 0.263 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Magnesium, Total             | 1170   |           | mg/kg | 9.83  | 1.51  | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Manganese, Total             | 27.3   |           | mg/kg | 0.983 | 0.156 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Mercury, Total               | ND     |           | mg/kg | 0.079 | 0.017 | 1               | 04/25/18 08:00 | 04/25/18 18:00 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 5.50   |           | mg/kg | 2.46  | 0.238 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Potassium, Total             | 310    |           | mg/kg | 246   | 14.2  | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Selenium, Total              | ND     |           | mg/kg | 1.97  | 0.254 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Silver, Total                | ND     |           | mg/kg | 0.983 | 0.278 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Sodium, Total                | 122    | J         | mg/kg | 197   | 3.10  | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Thallium, Total              | ND     |           | mg/kg | 1.97  | 0.310 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Vanadium, Total              | 6.27   |           | mg/kg | 0.983 | 0.200 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |
| Zinc, Total                  | 11.6   |           | mg/kg | 4.92  | 0.288 | 2               | 04/24/18 19:40 | 04/25/18 10:15 | EPA 3050B   | 1,6010C           | PE      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-04

Date Collected: 04/23/18 09:30

Client ID: EB-04\_0-1

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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              | 6780   |           | mg/kg | 8.78  | 2.37  | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Antimony, Total              | ND     |           | mg/kg | 4.39  | 0.334 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Arsenic, Total               | 4.13   |           | mg/kg | 0.878 | 0.183 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Barium, Total                | 776    |           | mg/kg | 0.878 | 0.153 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Beryllium, Total             | 0.237  | J         | mg/kg | 0.439 | 0.029 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Cadmium, Total               | 0.114  | J         | mg/kg | 0.878 | 0.086 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Calcium, Total               | 66100  |           | mg/kg | 8.78  | 3.07  | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Chromium, Total              | 14.2   |           | mg/kg | 0.878 | 0.084 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Cobalt, Total                | 4.36   |           | mg/kg | 1.76  | 0.146 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Copper, Total                | 33.3   |           | mg/kg | 0.878 | 0.226 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Iron, Total                  | 10000  |           | mg/kg | 4.39  | 0.793 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Lead, Total                  | 381    |           | mg/kg | 4.39  | 0.235 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Magnesium, Total             | 4390   |           | mg/kg | 8.78  | 1.35  | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Manganese, Total             | 213    |           | mg/kg | 0.878 | 0.140 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Mercury, Total               | 0.174  |           | mg/kg | 0.072 | 0.015 | 1               | 04/25/18 08:00 | 04/25/18 18:02 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 19.0   |           | mg/kg | 2.20  | 0.212 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Potassium, Total             | 936    |           | mg/kg | 220   | 12.6  | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Selenium, Total              | ND     |           | mg/kg | 1.76  | 0.226 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Silver, Total                | ND     |           | mg/kg | 0.878 | 0.248 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Sodium, Total                | 503    |           | mg/kg | 176   | 2.77  | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Thallium, Total              | ND     |           | mg/kg | 1.76  | 0.277 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Vanadium, Total              | 16.4   |           | mg/kg | 0.878 | 0.178 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |
| Zinc, Total                  | 393    |           | mg/kg | 4.39  | 0.257 | 2               | 04/24/18 19:40 | 04/25/18 10:19 | EPA 3050B   | 1,6010C           | PE      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-05

Date Collected: 04/23/18 09:40

Client ID: EB-04\_15-16

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 5830   |           | mg/kg | 8.53  | 2.30  | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Antimony, Total              | ND     |           | mg/kg | 4.27  | 0.324 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Arsenic, Total               | 2.44   |           | mg/kg | 0.853 | 0.178 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Barium, Total                | 12.9   |           | mg/kg | 0.853 | 0.148 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Beryllium, Total             | 0.273  | J         | mg/kg | 0.427 | 0.028 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 0.853 | 0.084 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Calcium, Total               | 574    |           | mg/kg | 8.53  | 2.99  | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Chromium, Total              | 11.0   |           | mg/kg | 0.853 | 0.082 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Cobalt, Total                | 5.22   |           | mg/kg | 1.71  | 0.142 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Copper, Total                | 13.1   |           | mg/kg | 0.853 | 0.220 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Iron, Total                  | 8210   |           | mg/kg | 4.27  | 0.771 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Lead, Total                  | 4.14   | J         | mg/kg | 4.27  | 0.229 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Magnesium, Total             | 2090   |           | mg/kg | 8.53  | 1.31  | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Manganese, Total             | 56.2   |           | mg/kg | 0.853 | 0.136 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Mercury, Total               | ND     |           | mg/kg | 0.072 | 0.015 | 1               | 04/25/18 08:00 | 04/25/18 18:03 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 11.4   |           | mg/kg | 2.13  | 0.206 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Potassium, Total             | 447    |           | mg/kg | 213   | 12.3  | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Selenium, Total              | ND     |           | mg/kg | 1.71  | 0.220 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Silver, Total                | ND     |           | mg/kg | 0.853 | 0.242 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Sodium, Total                | 59.6   | J         | mg/kg | 171   | 2.69  | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Thallium, Total              | ND     |           | mg/kg | 1.71  | 0.269 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Vanadium, Total              | 16.3   |           | mg/kg | 0.853 | 0.173 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |
| Zinc, Total                  | 17.9   |           | mg/kg | 4.27  | 0.250 | 2               | 04/24/18 19:40 | 04/25/18 10:24 | EPA 3050B   | 1,6010C           | PE      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-06

Date Collected: 04/23/18 10:35

Client ID: EB-07\_1-2

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 3630   |           | mg/kg | 8.68  | 2.34  | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Antimony, Total              | ND     |           | mg/kg | 4.34  | 0.330 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Arsenic, Total               | 1.67   |           | mg/kg | 0.868 | 0.180 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Barium, Total                | 40.2   |           | mg/kg | 0.868 | 0.151 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Beryllium, Total             | 0.208  | J         | mg/kg | 0.434 | 0.029 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 0.868 | 0.085 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Calcium, Total               | 14400  |           | mg/kg | 8.68  | 3.04  | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Chromium, Total              | 14.4   |           | mg/kg | 0.868 | 0.083 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Cobalt, Total                | 6.44   |           | mg/kg | 1.74  | 0.144 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Copper, Total                | 13.4   |           | mg/kg | 0.868 | 0.224 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Iron, Total                  | 8750   |           | mg/kg | 4.34  | 0.784 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Lead, Total                  | 42.3   |           | mg/kg | 4.34  | 0.233 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Magnesium, Total             | 4840   |           | mg/kg | 8.68  | 1.34  | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Manganese, Total             | 222    |           | mg/kg | 0.868 | 0.138 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Mercury, Total               | 0.032  | J         | mg/kg | 0.071 | 0.015 | 1               | 04/25/18 08:00 | 04/25/18 18:05 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 57.7   |           | mg/kg | 2.17  | 0.210 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Potassium, Total             | 695    |           | mg/kg | 217   | 12.5  | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Selenium, Total              | ND     |           | mg/kg | 1.74  | 0.224 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Silver, Total                | ND     |           | mg/kg | 0.868 | 0.246 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Sodium, Total                | 180    |           | mg/kg | 174   | 2.73  | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Thallium, Total              | ND     |           | mg/kg | 1.74  | 0.273 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Vanadium, Total              | 16.5   |           | mg/kg | 0.868 | 0.176 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |
| Zinc, Total                  | 34.3   |           | mg/kg | 4.34  | 0.254 | 2               | 04/24/18 19:40 | 04/25/18 10:28 | EPA 3050B   | 1,6010C           | PE      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-07

Date Collected: 04/23/18 11:10

Client ID: EB-07\_14-15

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 72%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 11600  |           | mg/kg | 10.7  | 2.89  | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Antimony, Total              | ND     |           | mg/kg | 5.35  | 0.406 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Arsenic, Total               | 4.28   |           | mg/kg | 1.07  | 0.222 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Barium, Total                | 52.2   |           | mg/kg | 1.07  | 0.186 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Beryllium, Total             | 0.567  |           | mg/kg | 0.535 | 0.035 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 1.07  | 0.105 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Calcium, Total               | 2170   |           | mg/kg | 10.7  | 3.74  | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Chromium, Total              | 14.9   |           | mg/kg | 1.07  | 0.103 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Cobalt, Total                | 7.02   |           | mg/kg | 2.14  | 0.178 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Copper, Total                | 16.1   |           | mg/kg | 1.07  | 0.276 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Iron, Total                  | 16500  |           | mg/kg | 5.35  | 0.966 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Lead, Total                  | 17.3   |           | mg/kg | 5.35  | 0.287 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Magnesium, Total             | 3210   |           | mg/kg | 10.7  | 1.65  | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Manganese, Total             | 232    |           | mg/kg | 1.07  | 0.170 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Mercury, Total               | 0.081  | J         | mg/kg | 0.087 | 0.018 | 1               | 04/25/18 08:00 | 04/25/18 18:07 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 13.9   |           | mg/kg | 2.67  | 0.259 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Potassium, Total             | 864    |           | mg/kg | 267   | 15.4  | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Selenium, Total              | 0.449  | J         | mg/kg | 2.14  | 0.276 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Silver, Total                | ND     |           | mg/kg | 1.07  | 0.303 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Sodium, Total                | 201    | J         | mg/kg | 214   | 3.37  | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Thallium, Total              | ND     |           | mg/kg | 2.14  | 0.337 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Vanadium, Total              | 19.2   |           | mg/kg | 1.07  | 0.217 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |
| Zinc, Total                  | 43.1   |           | mg/kg | 5.35  | 0.313 | 2               | 04/24/18 19:40 | 04/25/18 10:32 | EPA 3050B   | 1,6010C           | PE      |





**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-08

Date Collected: 04/23/18 08:40

Client ID: EB-09\_3-4

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 3360   |           | mg/kg | 8.91  | 2.40  | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Antimony, Total              | ND     |           | mg/kg | 4.45  | 0.338 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Arsenic, Total               | 3.83   |           | mg/kg | 0.891 | 0.185 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Barium, Total                | 91.6   |           | mg/kg | 0.891 | 0.155 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Beryllium, Total             | 0.142  | J         | mg/kg | 0.445 | 0.029 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 0.891 | 0.087 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Calcium, Total               | 57100  |           | mg/kg | 8.91  | 3.12  | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Chromium, Total              | 7.48   |           | mg/kg | 0.891 | 0.086 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Cobalt, Total                | 2.58   |           | mg/kg | 1.78  | 0.148 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Copper, Total                | 29.5   |           | mg/kg | 0.891 | 0.230 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Iron, Total                  | 6220   |           | mg/kg | 4.45  | 0.804 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Lead, Total                  | 843    |           | mg/kg | 4.45  | 0.239 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Magnesium, Total             | 3260   |           | mg/kg | 8.91  | 1.37  | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Manganese, Total             | 178    |           | mg/kg | 0.891 | 0.142 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Mercury, Total               | 0.398  |           | mg/kg | 0.072 | 0.015 | 1               | 04/25/18 08:00 | 04/25/18 18:09 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 9.70   |           | mg/kg | 2.23  | 0.216 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Potassium, Total             | 525    |           | mg/kg | 223   | 12.8  | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Selenium, Total              | ND     |           | mg/kg | 1.78  | 0.230 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Silver, Total                | ND     |           | mg/kg | 0.891 | 0.252 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Sodium, Total                | 227    |           | mg/kg | 178   | 2.80  | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Thallium, Total              | ND     |           | mg/kg | 1.78  | 0.280 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Vanadium, Total              | 15.4   |           | mg/kg | 0.891 | 0.181 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |
| Zinc, Total                  | 155    |           | mg/kg | 4.45  | 0.261 | 2               | 04/24/18 19:40 | 04/25/18 10:36 | EPA 3050B   | 1,6010C           | PE      |





**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-09

Date Collected: 04/23/18 08:50

Client ID: EB-09\_14-15

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 12000  |           | mg/kg | 10.0  | 2.71  | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Antimony, Total              | ND     |           | mg/kg | 5.01  | 0.381 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Arsenic, Total               | 2.22   |           | mg/kg | 1.00  | 0.208 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Barium, Total                | 40.9   |           | mg/kg | 1.00  | 0.174 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Beryllium, Total             | 0.531  |           | mg/kg | 0.501 | 0.033 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 1.00  | 0.098 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Calcium, Total               | 1140   |           | mg/kg | 10.0  | 3.51  | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Chromium, Total              | 15.0   |           | mg/kg | 1.00  | 0.096 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Cobalt, Total                | 3.90   |           | mg/kg | 2.00  | 0.166 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Copper, Total                | 8.99   |           | mg/kg | 1.00  | 0.259 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Iron, Total                  | 13200  |           | mg/kg | 5.01  | 0.905 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Lead, Total                  | 7.85   |           | mg/kg | 5.01  | 0.269 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Magnesium, Total             | 2740   |           | mg/kg | 10.0  | 1.54  | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Manganese, Total             | 132    |           | mg/kg | 1.00  | 0.159 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Mercury, Total               | ND     |           | mg/kg | 0.080 | 0.017 | 1               | 04/25/18 08:00 | 04/25/18 18:14 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 13.5   |           | mg/kg | 2.50  | 0.242 | 2               | 04/24/18 19:40 | 04/25/18 12:30 | EPA 3050B   | 1,6010C           | PE      |
| Potassium, Total             | 878    |           | mg/kg | 250   | 14.4  | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Selenium, Total              | ND     |           | mg/kg | 2.00  | 0.259 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Silver, Total                | ND     |           | mg/kg | 1.00  | 0.284 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Sodium, Total                | 211    |           | mg/kg | 200   | 3.16  | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Thallium, Total              | ND     |           | mg/kg | 2.00  | 0.316 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Vanadium, Total              | 16.2   |           | mg/kg | 1.00  | 0.203 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |
| Zinc, Total                  | 36.7   |           | mg/kg | 5.01  | 0.294 | 2               | 04/24/18 19:40 | 04/25/18 10:49 | EPA 3050B   | 1,6010C           | PE      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814188-10

Date Collected: 04/23/18 13:45

Client ID: FIELD BLANK

Date Received: 04/23/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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              | ND     |           | mg/l  | 0.100   | 0.032   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Antimony, Total              | ND     |           | mg/l  | 0.050   | 0.007   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Arsenic, Total               | ND     |           | mg/l  | 0.005   | 0.002   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Barium, Total                | ND     |           | mg/l  | 0.010   | 0.002   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Beryllium, Total             | ND     |           | mg/l  | 0.005   | 0.001   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Cadmium, Total               | ND     |           | mg/l  | 0.005   | 0.001   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Calcium, Total               | ND     |           | mg/l  | 0.100   | 0.035   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Chromium, Total              | ND     |           | mg/l  | 0.010   | 0.002   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Cobalt, Total                | ND     |           | mg/l  | 0.020   | 0.002   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Copper, Total                | ND     |           | mg/l  | 0.010   | 0.002   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Iron, Total                  | ND     |           | mg/l  | 0.050   | 0.009   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Lead, Total                  | ND     |           | mg/l  | 0.010   | 0.003   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Magnesium, Total             | ND     |           | mg/l  | 0.100   | 0.015   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Manganese, Total             | ND     |           | mg/l  | 0.010   | 0.002   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Mercury, Total               | ND     |           | mg/l  | 0.00020 | 0.00006 | 1               | 04/24/18 11:29 | 04/24/18 23:17 | EPA 7470A   | 1,7470A           | EA      |
| Nickel, Total                | ND     |           | mg/l  | 0.025   | 0.002   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Potassium, Total             | ND     |           | mg/l  | 2.50    | 0.237   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Selenium, Total              | ND     |           | mg/l  | 0.010   | 0.004   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Silver, Total                | ND     |           | mg/l  | 0.007   | 0.003   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Sodium, Total                | ND     |           | mg/l  | 2.00    | 0.120   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Thallium, Total              | ND     |           | mg/l  | 0.020   | 0.003   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Vanadium, Total              | ND     |           | mg/l  | 0.010   | 0.002   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |
| Zinc, Total                  | ND     |           | mg/l  | 0.050   | 0.002   | 1               | 04/26/18 08:55 | 04/26/18 18:01 | EPA 3005A   | 1,6010C           | AB      |



Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

## Method Blank Analysis Batch Quality Control

| Parameter                                                         | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------------------------------------|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 10 Batch: WG1109257-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Mercury, Total                                                    | ND     |           | mg/l  | 0.00020 | 0.00006 | 1                  | 04/24/18 11:29   | 04/24/18 22:52   | 1,7470A              | EA      |

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                            | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|----------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1109402-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Aluminum, Total                                                      | ND     |           | mg/kg | 4.00  | 1.08  | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Antimony, Total                                                      | ND     |           | mg/kg | 2.00  | 0.152 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Arsenic, Total                                                       | ND     |           | mg/kg | 0.400 | 0.083 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Barium, Total                                                        | ND     |           | mg/kg | 0.400 | 0.070 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Beryllium, Total                                                     | ND     |           | mg/kg | 0.200 | 0.013 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Cadmium, Total                                                       | ND     |           | mg/kg | 0.400 | 0.039 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Calcium, Total                                                       | ND     |           | mg/kg | 4.00  | 1.40  | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Chromium, Total                                                      | ND     |           | mg/kg | 0.400 | 0.038 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Cobalt, Total                                                        | ND     |           | mg/kg | 0.800 | 0.066 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Copper, Total                                                        | ND     |           | mg/kg | 0.400 | 0.103 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Iron, Total                                                          | 1.72   | J         | mg/kg | 2.00  | 0.361 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Lead, Total                                                          | ND     |           | mg/kg | 2.00  | 0.107 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Magnesium, Total                                                     | ND     |           | mg/kg | 4.00  | 0.616 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Manganese, Total                                                     | ND     |           | mg/kg | 0.400 | 0.064 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Nickel, Total                                                        | ND     |           | mg/kg | 1.00  | 0.097 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Potassium, Total                                                     | ND     |           | mg/kg | 100   | 5.76  | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Selenium, Total                                                      | ND     |           | mg/kg | 0.800 | 0.103 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Silver, Total                                                        | ND     |           | mg/kg | 0.400 | 0.113 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Sodium, Total                                                        | ND     |           | mg/kg | 80.0  | 1.26  | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Thallium, Total                                                      | ND     |           | mg/kg | 0.800 | 0.126 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Vanadium, Total                                                      | ND     |           | mg/kg | 0.400 | 0.081 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |
| Zinc, Total                                                          | ND     |           | mg/kg | 2.00  | 0.117 | 1                  | 04/24/18 19:40   | 04/25/18 08:14   | 1,6010C              | PE      |



Project Name: 551 GREENWICH STREET

Lab Number: L1814188

Project Number: 190043701

Report Date: 04/30/18

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 3050B

| Parameter                                                            | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|----------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1109519-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Mercury, Total                                                       | ND     |           | mg/kg | 0.083 | 0.018 | 1                  | 04/25/18 08:00   | 04/25/18 17:40   | 1,7471B              | EA      |

### Prep Information

Digestion Method: EPA 7471B

| Parameter                                                         | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 10 Batch: WG1109983-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Aluminum, Total                                                   | ND     |           | mg/l  | 0.100 | 0.032 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Antimony, Total                                                   | ND     |           | mg/l  | 0.050 | 0.007 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Arsenic, Total                                                    | ND     |           | mg/l  | 0.005 | 0.002 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Barium, Total                                                     | ND     |           | mg/l  | 0.010 | 0.002 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Beryllium, Total                                                  | ND     |           | mg/l  | 0.005 | 0.001 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Cadmium, Total                                                    | ND     |           | mg/l  | 0.005 | 0.001 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Calcium, Total                                                    | ND     |           | mg/l  | 0.100 | 0.035 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Chromium, Total                                                   | ND     |           | mg/l  | 0.010 | 0.002 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Cobalt, Total                                                     | ND     |           | mg/l  | 0.020 | 0.002 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Copper, Total                                                     | ND     |           | mg/l  | 0.010 | 0.002 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Iron, Total                                                       | ND     |           | mg/l  | 0.050 | 0.009 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Lead, Total                                                       | ND     |           | mg/l  | 0.010 | 0.003 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Magnesium, Total                                                  | ND     |           | mg/l  | 0.100 | 0.015 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Manganese, Total                                                  | ND     |           | mg/l  | 0.010 | 0.002 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Nickel, Total                                                     | ND     |           | mg/l  | 0.025 | 0.002 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Potassium, Total                                                  | ND     |           | mg/l  | 2.50  | 0.237 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Selenium, Total                                                   | ND     |           | mg/l  | 0.010 | 0.004 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Silver, Total                                                     | ND     |           | mg/l  | 0.007 | 0.003 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Sodium, Total                                                     | ND     |           | mg/l  | 2.00  | 0.120 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Thallium, Total                                                   | ND     |           | mg/l  | 0.020 | 0.003 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |
| Vanadium, Total                                                   | ND     |           | mg/l  | 0.010 | 0.002 | 1                  | 04/26/18 08:55   | 04/26/18 17:11   | 1,6010C              | AB      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18

## Method Blank Analysis Batch Quality Control

|             |    |      |       |       |   |                |                |         |    |
|-------------|----|------|-------|-------|---|----------------|----------------|---------|----|
| Zinc, Total | ND | mg/l | 0.050 | 0.002 | 1 | 04/26/18 08:55 | 04/26/18 17:11 | 1,6010C | AB |
|-------------|----|------|-------|-------|---|----------------|----------------|---------|----|

### Prep Information

Digestion Method: EPA 3005A

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18

| Parameter                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 10 Batch: WG1109257-2 |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                           | 102              |      | -                 |      | 80-120              | -   |      |            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                            | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1109402-2 SRM Lot Number: D098-540 |                  |                   |                     |     |            |
| Aluminum, Total                                                                                      | 74               | -                 | 47-153              | -   |            |
| Antimony, Total                                                                                      | 155              | -                 | 6-194               | -   |            |
| Arsenic, Total                                                                                       | 98               | -                 | 83-117              | -   |            |
| Barium, Total                                                                                        | 87               | -                 | 82-118              | -   |            |
| Beryllium, Total                                                                                     | 92               | -                 | 83-117              | -   |            |
| Cadmium, Total                                                                                       | 95               | -                 | 82-117              | -   |            |
| Calcium, Total                                                                                       | 88               | -                 | 81-118              | -   |            |
| Chromium, Total                                                                                      | 89               | -                 | 83-119              | -   |            |
| Cobalt, Total                                                                                        | 100              | -                 | 84-116              | -   |            |
| Copper, Total                                                                                        | 93               | -                 | 84-116              | -   |            |
| Iron, Total                                                                                          | 91               | -                 | 60-140              | -   |            |
| Lead, Total                                                                                          | 91               | -                 | 82-117              | -   |            |
| Magnesium, Total                                                                                     | 84               | -                 | 76-124              | -   |            |
| Manganese, Total                                                                                     | 85               | -                 | 82-118              | -   |            |
| Nickel, Total                                                                                        | 94               | -                 | 82-117              | -   |            |
| Potassium, Total                                                                                     | 81               | -                 | 69-131              | -   |            |
| Selenium, Total                                                                                      | 96               | -                 | 78-121              | -   |            |
| Silver, Total                                                                                        | 96               | -                 | 80-120              | -   |            |
| Sodium, Total                                                                                        | 90               | -                 | 74-126              | -   |            |
| Thallium, Total                                                                                      | 96               | -                 | 80-119              | -   |            |
| Vanadium, Total                                                                                      | 90               | -                 | 79-121              | -   |            |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18

| Parameter                                                                                            | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1109402-2 SRM Lot Number: D098-540 |                  |                   |                     |     |            |
| Zinc, Total                                                                                          | 96               | -                 | 81-119              | -   |            |
| Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1109519-2 SRM Lot Number: D098-540 |                  |                   |                     |     |            |
| Mercury, Total                                                                                       | 92               | -                 | 50-149              | -   |            |



# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|--------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 10 Batch: WG1109983-2 |                  |                   |                     |     |            |
| Aluminum, Total                                                          | 108              | -                 | 80-120              | -   |            |
| Antimony, Total                                                          | 95               | -                 | 80-120              | -   |            |
| Arsenic, Total                                                           | 108              | -                 | 80-120              | -   |            |
| Barium, Total                                                            | 94               | -                 | 80-120              | -   |            |
| Beryllium, Total                                                         | 97               | -                 | 80-120              | -   |            |
| Cadmium, Total                                                           | 104              | -                 | 80-120              | -   |            |
| Calcium, Total                                                           | 103              | -                 | 80-120              | -   |            |
| Chromium, Total                                                          | 96               | -                 | 80-120              | -   |            |
| Cobalt, Total                                                            | 95               | -                 | 80-120              | -   |            |
| Copper, Total                                                            | 94               | -                 | 80-120              | -   |            |
| Iron, Total                                                              | 104              | -                 | 80-120              | -   |            |
| Lead, Total                                                              | 102              | -                 | 80-120              | -   |            |
| Magnesium, Total                                                         | 104              | -                 | 80-120              | -   |            |
| Manganese, Total                                                         | 92               | -                 | 80-120              | -   |            |
| Nickel, Total                                                            | 97               | -                 | 80-120              | -   |            |
| Potassium, Total                                                         | 104              | -                 | 80-120              | -   |            |
| Selenium, Total                                                          | 110              | -                 | 80-120              | -   |            |
| Silver, Total                                                            | 92               | -                 | 80-120              | -   |            |
| Sodium, Total                                                            | 109              | -                 | 80-120              | -   |            |
| Thallium, Total                                                          | 103              | -                 | 80-120              | -   |            |
| Vanadium, Total                                                          | 97               | -                 | 80-120              | -   |            |

**Lab Control Sample Analysis**

Batch Quality Control

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18

| Parameter                                                                | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|--------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 10 Batch: WG1109983-2 |                  |                   |                     |     |            |
| Zinc, Total                                                              | 102              | -                 | 80-120              | -   |            |

# **Matrix Spike Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| 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): 10    QC Batch ID: WG1109257-3    QC Sample: L1813841-07    Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Total                                                                                                                      | ND            | 0.005    | 0.00437  | 88           |      | -         | -             |      | 75-125          | -   |      | 20         |

# **Matrix Spike Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| 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): 01-09 |               |          | QC Batch ID: WG1109402-3 |              | QC Sample: L1814163-01 |               | Client ID: MS Sample |     |            |
| Aluminum, Total                                          | 1940          | 171      | 2080                     | 82           | -                      | -             | 75-125               | -   | 20         |
| Antimony, Total                                          | ND            | 42.7     | 40.5                     | 95           | -                      | -             | 75-125               | -   | 20         |
| Arsenic, Total                                           | 0.413J        | 10.2     | 10.8                     | 105          | -                      | -             | 75-125               | -   | 20         |
| Barium, Total                                            | 19.2          | 171      | 173                      | 90           | -                      | -             | 75-125               | -   | 20         |
| Beryllium, Total                                         | 0.042J        | 4.27     | 3.97                     | 93           | -                      | -             | 75-125               | -   | 20         |
| Cadmium, Total                                           | ND            | 4.36     | 3.67                     | 84           | -                      | -             | 75-125               | -   | 20         |
| Calcium, Total                                           | 19400         | 854      | 19900                    | 58           | Q                      | -             | 75-125               | -   | 20         |
| Chromium, Total                                          | 5.46          | 17.1     | 20.6                     | 89           | -                      | -             | 75-125               | -   | 20         |
| Cobalt, Total                                            | 3.42          | 42.7     | 39.7                     | 85           | -                      | -             | 75-125               | -   | 20         |
| Copper, Total                                            | 8.09          | 21.4     | 28.3                     | 95           | -                      | -             | 75-125               | -   | 20         |
| Iron, Total                                              | 5930          | 85.4     | 6200                     | 316          | Q                      | -             | 75-125               | -   | 20         |
| Lead, Total                                              | 1.80J         | 43.6     | 39.4                     | 90           | -                      | -             | 75-125               | -   | 20         |
| Magnesium, Total                                         | 9100          | 854      | 9640                     | 63           | Q                      | -             | 75-125               | -   | 20         |
| Manganese, Total                                         | 108.          | 42.7     | 153                      | 105          | -                      | -             | 75-125               | -   | 20         |
| Nickel, Total                                            | 6.00          | 42.7     | 40.0                     | 80           | -                      | -             | 75-125               | -   | 20         |
| Potassium, Total                                         | 567.          | 854      | 1300                     | 86           | -                      | -             | 75-125               | -   | 20         |
| Selenium, Total                                          | ND            | 10.2     | 10.0                     | 98           | -                      | -             | 75-125               | -   | 20         |
| Silver, Total                                            | ND            | 25.6     | 26.8                     | 104          | -                      | -             | 75-125               | -   | 20         |
| Sodium, Total                                            | 54.4J         | 854      | 922                      | 108          | -                      | -             | 75-125               | -   | 20         |
| Thallium, Total                                          | ND            | 10.2     | 8.45                     | 82           | -                      | -             | 75-125               | -   | 20         |
| Vanadium, Total                                          | 10.6          | 42.7     | 51.0                     | 94           | -                      | -             | 75-125               | -   | 20         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| 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): 01-09 |               |          | QC Batch ID: WG1109402-3 |              | QC Sample: L1814163-01 |               | Client ID: MS Sample |     |            |
| Zinc, Total                                              | 15.0          | 42.7     | 51.3                     | 85           | -                      | -             | 75-125               | -   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 01-09 |               |          | QC Batch ID: WG1109519-3 |              | QC Sample: L1814140-01 |               | Client ID: MS Sample |     |            |
| Mercury, Total                                           | 0.167         | 0.153    | 0.304                    | 89           | -                      | -             | 80-120               | -   | 20         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| 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): 10    QC Batch ID: WG1109983-3    QC Sample: L1814454-01    Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Aluminum, Total                                                                                                                     | ND            | 2        | 2.18     | 109          | -         | -             | 75-125          | -   | 20         |
| Antimony, Total                                                                                                                     | ND            | 0.5      | 0.476    | 95           | -         | -             | 75-125          | -   | 20         |
| Arsenic, Total                                                                                                                      | 0.010         | 0.12     | 0.140    | 108          | -         | -             | 75-125          | -   | 20         |
| Barium, Total                                                                                                                       | 0.017         | 2        | 1.93     | 96           | -         | -             | 75-125          | -   | 20         |
| Beryllium, Total                                                                                                                    | ND            | 0.05     | 0.049    | 97           | -         | -             | 75-125          | -   | 20         |
| Cadmium, Total                                                                                                                      | ND            | 0.051    | 0.053    | 104          | -         | -             | 75-125          | -   | 20         |
| Calcium, Total                                                                                                                      | 13.0          | 10       | 22.8     | 98           | -         | -             | 75-125          | -   | 20         |
| Chromium, Total                                                                                                                     | ND            | 0.2      | 0.191    | 96           | -         | -             | 75-125          | -   | 20         |
| Cobalt, Total                                                                                                                       | ND            | 0.5      | 0.466    | 93           | -         | -             | 75-125          | -   | 20         |
| Copper, Total                                                                                                                       | ND            | 0.25     | 0.236    | 94           | -         | -             | 75-125          | -   | 20         |
| Iron, Total                                                                                                                         | 0.296         | 1        | 1.32     | 102          | -         | -             | 75-125          | -   | 20         |
| Lead, Total                                                                                                                         | ND            | 0.51     | 0.513    | 100          | -         | -             | 75-125          | -   | 20         |
| Magnesium, Total                                                                                                                    | 5.89          | 10       | 15.9     | 100          | -         | -             | 75-125          | -   | 20         |
| Manganese, Total                                                                                                                    | 0.125         | 0.5      | 0.585    | 92           | -         | -             | 75-125          | -   | 20         |
| Nickel, Total                                                                                                                       | ND            | 0.5      | 0.477    | 95           | -         | -             | 75-125          | -   | 20         |
| Potassium, Total                                                                                                                    | 2.04J         | 10       | 12.4     | 124          | -         | -             | 75-125          | -   | 20         |
| Selenium, Total                                                                                                                     | ND            | 0.12     | 0.131    | 109          | -         | -             | 75-125          | -   | 20         |
| Silver, Total                                                                                                                       | ND            | 0.05     | 0.046    | 92           | -         | -             | 75-125          | -   | 20         |
| Sodium, Total                                                                                                                       | 25.8          | 10       | 35.9     | 101          | -         | -             | 75-125          | -   | 20         |
| Thallium, Total                                                                                                                     | ND            | 0.12     | 0.121    | 101          | -         | -             | 75-125          | -   | 20         |
| Vanadium, Total                                                                                                                     | ND            | 0.5      | 0.484    | 97           | -         | -             | 75-125          | -   | 20         |

# **Matrix Spike Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| 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): 10    QC Batch ID: WG1109983-3    QC Sample: L1814454-01    Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Zinc, Total                                                                                                                         | ND            | 0.5      | 0.510    | 102          | -         | -             | 75-125          | -   | 20         |

**Lab Duplicate Analysis**  
Batch Quality Control**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18

| Parameter                                                                                                                   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1109257-4 QC Sample: L1813841-07 Client ID: DUP Sample |               |                  |       |     |      |            |
| Mercury, Total                                                                                                              | ND            | ND               | mg/l  | NC  |      | 20         |



# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                                      | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1109402-4 QC Sample: L1814163-01 Client ID: DUP Sample |               |                  |       |     |            |
| Aluminum, Total                                                                                                                | 1940          | 1800             | mg/kg | 7   | 20         |
| Antimony, Total                                                                                                                | ND            | ND               | mg/kg | NC  | 20         |
| Arsenic, Total                                                                                                                 | 0.413J        | 0.353J           | mg/kg | NC  | 20         |
| Barium, Total                                                                                                                  | 19.2          | 18.1             | mg/kg | 6   | 20         |
| Beryllium, Total                                                                                                               | 0.042J        | 0.034J           | mg/kg | NC  | 20         |
| Cadmium, Total                                                                                                                 | ND            | ND               | mg/kg | NC  | 20         |
| Calcium, Total                                                                                                                 | 19400         | 19000            | mg/kg | 2   | 20         |
| Chromium, Total                                                                                                                | 5.46          | 5.94             | mg/kg | 8   | 20         |
| Cobalt, Total                                                                                                                  | 3.42          | 3.68             | mg/kg | 7   | 20         |
| Copper, Total                                                                                                                  | 8.09          | 8.34             | mg/kg | 3   | 20         |
| Iron, Total                                                                                                                    | 5930          | 7010             | mg/kg | 17  | 20         |
| Lead, Total                                                                                                                    | 1.80J         | 1.81J            | mg/kg | NC  | 20         |
| Magnesium, Total                                                                                                               | 9100          | 8950             | mg/kg | 2   | 20         |
| Manganese, Total                                                                                                               | 108.          | 119              | mg/kg | 10  | 20         |
| Nickel, Total                                                                                                                  | 6.00          | 6.20             | mg/kg | 3   | 20         |
| Potassium, Total                                                                                                               | 567.          | 484              | mg/kg | 16  | 20         |
| Selenium, Total                                                                                                                | ND            | ND               | mg/kg | NC  | 20         |
| Silver, Total                                                                                                                  | ND            | ND               | mg/kg | NC  | 20         |
| Sodium, Total                                                                                                                  | 54.4J         | 57.5J            | mg/kg | NC  | 20         |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

## Lab Duplicate Analysis

Batch Quality Control

**Lab Number:** L1814188  
**Report Date:** 04/30/18

| Parameter                                                                                                                      | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1109402-4 QC Sample: L1814163-01 Client ID: DUP Sample |               |                  |       |     |            |
| Thallium, Total                                                                                                                | ND            | ND               | mg/kg | NC  | 20         |
| Vanadium, Total                                                                                                                | 10.6          | 14.3             | mg/kg | 30  | Q 20       |
| Zinc, Total                                                                                                                    | 15.0          | 14.0             | mg/kg | 7   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1109519-4 QC Sample: L1814140-01 Client ID: DUP Sample |               |                  |       |     |            |
| Mercury, Total                                                                                                                 | 0.167         | 0.093            | mg/kg | 57  | Q 20       |
| Total Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1109983-4 QC Sample: L1814454-01 Client ID: DUP Sample    |               |                  |       |     |            |
| Arsenic, Total                                                                                                                 | 0.010         | 0.010            | mg/l  | 4   | 20         |
| Iron, Total                                                                                                                    | 0.296         | 0.299            | mg/l  | 1   | 20         |
| Manganese, Total                                                                                                               | 0.125         | 0.126            | mg/l  | 1   | 20         |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-01**Client ID:** EB-03\_1-2**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/23/18 13:20**Date Received:** 04/23/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 86.2   |           | %     | 0.100 | NA  | 1                  | -                | 04/24/18 11:09   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-02**Client ID:** EB-03\_16-17**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/23/18 13:30**Date Received:** 04/23/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 90.0   |           | %     | 0.100 | NA  | 1                  | -                | 04/24/18 11:09   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-03**Client ID:** EB-03\_23-24**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/23/18 13:40**Date Received:** 04/23/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 79.4   |           | %     | 0.100 | NA  | 1                  | -                | 04/24/18 11:09   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-04**Client ID:** EB-04\_0-1**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/23/18 09:30**Date Received:** 04/23/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 87.6   |           | %     | 0.100 | NA  | 1                  | -                | 04/24/18 11:09   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-05**Client ID:** EB-04\_15-16**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/23/18 09:40**Date Received:** 04/23/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 88.9   |           | %     | 0.100 | NA  | 1                  | -                | 04/24/18 11:09   | 121,2540G            | RI      |





**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-06**Client ID:** EB-07\_1-2**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/23/18 10:35**Date Received:** 04/23/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 88.6   |           | %     | 0.100 | NA  | 1                  | -                | 04/24/18 11:09   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-07**Client ID:** EB-07\_14-15**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/23/18 11:10**Date Received:** 04/23/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 72.2   |           | %     | 0.100 | NA  | 1                  | -                | 04/24/18 11:09   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-08**Client ID:** EB-09\_3-4**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/23/18 08:40**Date Received:** 04/23/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 87.3   |           | %     | 0.100 | NA  | 1                  | -                | 04/24/18 11:09   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814188**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814188-09**Client ID:** EB-09\_14-15**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/23/18 08:50**Date Received:** 04/23/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 78.8   |           | %     | 0.100 | NA  | 1                  | -                | 04/24/18 11:37   | 121,2540G            | RI      |



# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814188

**Report Date:** 04/30/18

| Parameter                                                                                                                            | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1109248-1 QC Sample: L1814188-01 Client ID: EB-03_1-2 |               |                  |       |     |      |            |
| Solids, Total                                                                                                                        | 86.2          | 85.9             | %     | 0   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG1109259-1 QC Sample: L1814231-01 Client ID: DUP Sample   |               |                  |       |     |      |            |
| Solids, Total                                                                                                                        | 80.3          | 80.5             | %     | 0   |      | 20         |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Serial\_No:** 04301815:05  
**Lab Number:** L1814188  
**Report Date:** 04/30/18

### Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

#### Cooler Information

|               |                     |
|---------------|---------------------|
| <b>Cooler</b> | <b>Custody Seal</b> |
| A             | Absent              |

#### Container Information

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                              |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814188-01A | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-01B | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-01C | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-01D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 4.4        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |
| L1814188-01E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 4.4        | 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) |
| L1814188-01F | Glass 250ml/8oz unpreserved            | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814188-01X | Vial MeOH preserved split              | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-01Y | Vial Water preserved split             | A      | NA         |          | 4.4        | Y    | Absent | 24-APR-18 10:12  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-01Z | Vial Water preserved split             | A      | NA         |          | 4.4        | Y    | Absent | 24-APR-18 10:12  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-02A | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-02B | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-02C | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-02D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 4.4        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |
| L1814188-02E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 4.4        | 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) |
| L1814188-02F | Glass 250ml/8oz unpreserved            | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814188-02X | Vial MeOH preserved split              | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-02Y | Vial Water preserved split             | A      | NA         |          | 4.4        | Y    | Absent | 24-APR-18 10:12  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Serial\_No:** 04301815:05  
**Lab Number:** L1814188  
**Report Date:** 04/30/18

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                              |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814188-02Z | Vial Water preserved split             | A      | NA         |          | 4.4        | Y    | Absent | 24-APR-18 10:12  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-03A | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-03B | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-03C | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-03D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 4.4        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |
| L1814188-03E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 4.4        | 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) |
| L1814188-03F | Glass 250ml/8oz unpreserved            | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814188-03X | Vial MeOH preserved split              | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-03Y | Vial Water preserved split             | A      | NA         |          | 4.4        | Y    | Absent | 24-APR-18 10:12  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-03Z | Vial Water preserved split             | A      | NA         |          | 4.4        | Y    | Absent | 24-APR-18 10:12  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-04A | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-04B | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-04C | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-04D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 4.4        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |
| L1814188-04E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 4.4        | 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) |
| L1814188-04F | Glass 250ml/8oz unpreserved            | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814188-04X | Vial MeOH preserved split              | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-04Y | Vial Water preserved split             | A      | NA         |          | 4.4        | Y    | Absent | 24-APR-18 10:12  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-04Z | Vial Water preserved split             | A      | NA         |          | 4.4        | Y    | Absent | 24-APR-18 10:12  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-05A | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-05B | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-05C | 5 gram Encore Sampler                  | A      | NA         |          | 4.4        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-05D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 4.4        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                       |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814188-05E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 4.4               | 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) |
| L1814188-05F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814188-05X        | Vial MeOH preserved split              | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-05Y        | Vial Water preserved split             | A             | NA                |                 | 4.4               | Y           | Absent      | 24-APR-18 10:12         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-05Z        | Vial Water preserved split             | A             | NA                |                 | 4.4               | Y           | Absent      | 24-APR-18 10:12         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-06A        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-06B        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-06C        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-06D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 4.4               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814188-06E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 4.4               | 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) |
| L1814188-06F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814188-06X        | Vial MeOH preserved split              | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-06Y        | Vial Water preserved split             | A             | NA                |                 | 4.4               | Y           | Absent      | 24-APR-18 10:12         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-06Z        | Vial Water preserved split             | A             | NA                |                 | 4.4               | Y           | Absent      | 24-APR-18 10:12         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-07A        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-07B        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-07C        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-07D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 4.4               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814188-07E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 4.4               | 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) |
| L1814188-07F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                       |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814188-07X        | Vial MeOH preserved split              | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-07Y        | Vial Water preserved split             | A             | NA                |                 | 4.4               | Y           | Absent      | 24-APR-18 10:12         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-07Z        | Vial Water preserved split             | A             | NA                |                 | 4.4               | Y           | Absent      | 24-APR-18 10:12         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-08A        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-08B        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-08C        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-08D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 4.4               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814188-08E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 4.4               | 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) |
| L1814188-08F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814188-08X        | Vial MeOH preserved split              | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-08Y        | Vial Water preserved split             | A             | NA                |                 | 4.4               | Y           | Absent      | 24-APR-18 10:12         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-08Z        | Vial Water preserved split             | A             | NA                |                 | 4.4               | Y           | Absent      | 24-APR-18 10:12         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-09A        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-09B        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-09C        | 5 gram Encore Sampler                  | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-09D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 4.4               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814188-09E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 4.4               | 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) |
| L1814188-09F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814188-09X        | Vial MeOH preserved split              | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-09Y        | Vial Water preserved split             | A             | NA                |                 | 4.4               | Y           | Absent      | 24-APR-18 10:12         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-09Z        | Vial Water preserved split             | A             | NA                |                 | 4.4               | Y           | Absent      | 24-APR-18 10:12         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814188-10A        | Vial HCl preserved                     | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                           |
| L1814188-10B        | Vial HCl preserved                     | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                           |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814188**Project Number:** 190043701**Report Date:** 04/30/18**Container Information**

| <b>Container ID</b> | <b>Container Type</b>        | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                       |
|---------------------|------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814188-10C        | Vial HCl preserved           | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                           |
| L1814188-10D        | Plastic 250ml HNO3 preserved | A             | <2                | <2              | 4.4               | 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) |
| L1814188-10E        | Amber 500ml unpreserved      | A             | 7                 | 7               | 4.4               | Y           | Absent      |                         | NYTCL-8081(7)                                                                                                                                                                                                                                            |
| L1814188-10F        | Amber 500ml unpreserved      | A             | 7                 | 7               | 4.4               | Y           | Absent      |                         | NYTCL-8081(7)                                                                                                                                                                                                                                            |
| L1814188-10G        | Amber 1000ml unpreserved     | A             | 7                 | 7               | 4.4               | Y           | Absent      |                         | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                          |
| L1814188-10H        | Amber 1000ml unpreserved     | A             | 7                 | 7               | 4.4               | Y           | Absent      |                         | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                          |
| L1814188-10I        | Amber 1000ml unpreserved     | A             | 7                 | 7               | 4.4               | Y           | Absent      |                         | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                     |
| L1814188-10J        | Amber 1000ml unpreserved     | A             | 7                 | 7               | 4.4               | Y           | Absent      |                         | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                     |
| L1814188-11A        | Vial HCl preserved           | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                           |
| L1814188-11B        | Vial HCl preserved           | A             | NA                |                 | 4.4               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                           |

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**Lab Number:** L1814188  
**Report Date:** 04/30/18

## 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).                        |
| 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.                                                                                                                                                                                                                                                                                                                                                                                               |
| 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.

### 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

**Report Format:** DU Report with 'J' Qualifiers



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#### Data Qualifiers

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:** 551 GREENWICH STREET  
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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.



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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**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, NO<sub>2</sub>, NO<sub>3</sub>.**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.



|  <b>NEW YORK CHAIN OF CUSTODY</b><br>Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105                                                              |           | Page 1<br>of 1                                                                                                                                                                                                                                                                                                                                                             |    | Date Rec'd in Lab 4/23/18                                                                                                                                                                                                 |                    | ALPHA Job # 11814188                                      |               |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | <b>Project Information</b><br>Project Name: 551 Greenwich Street<br>Project Location: 551 Greenwich Street, Manhattan NY<br>Project # 190043701<br>(Use Project name as Project #) <input type="checkbox"/>          |           | <b>Deliverables</b><br><input checked="" type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B<br><input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> EQulS (4 File)<br><input type="checkbox"/> Other                                                                                                                                                       |    | <b>Billing Information</b><br><input type="checkbox"/> Same as Client Info<br>PO #                                                                                                                                        |                    |                                                           |               |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| <b>Client Information</b><br>Client: Langan Engineering<br>Address: 360 W 31st Street<br>Manhattan NY<br>Phone: 212-479-5400<br>Fax:<br>Email: pmcmahon@langan.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             | <b>Project Manager:</b> Paul McMahon<br><b>ALPHAQuote #:</b><br><b>Turn-Around Time</b><br>Standard <input checked="" type="checkbox"/> Due Date:<br>Rush (only if pre approved) <input type="checkbox"/> # of Days: |           | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input checked="" type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge |    | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: |                    |                                                           |               |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             | <b>ANALYSIS</b><br>VOL EPA 8260<br>SVOC EPA 8270<br>Pesticides/PUBs by EPA 8081/8082<br>TAL Metals<br>Total Hg/Total Metals                                                                                          |           | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><b>Preservation</b><br><input type="checkbox"/> Lab to do<br>(Please Specify below)                                                                                                                                                                                     |    | T O T A L B O T T L E                                                                                                                                                                                                     |                    |                                                           |               |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| Please specify Metals or TAL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | <b>Sample Specific Comments</b>                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                            |    |                                                                                                                                                                                                                           |                    |                                                           |               |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID<br/>(Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">VOL EPA 8260</th> <th rowspan="2">SVOC EPA 8270</th> <th rowspan="2">Pesticides/PUBs by EPA 8081/8082</th> <th rowspan="2">TAL Metals</th> <th rowspan="2">Total Hg/Total Metals</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>14188-01</td> <td>EB-03-1-2</td> <td>4/23/18</td> <td>13:20</td> <td>Soil</td> <td>KT</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>-02</td> <td>EB-03-16-17</td> <td></td> <td>13:30</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>-03</td> <td>EB-03-23-24</td> <td></td> <td>13:40</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>-04</td> <td>EB-04-0-1</td> <td></td> <td>9:30</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>-05</td> <td>EB-04-15-16</td> <td></td> <td>9:40</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>-06</td> <td>EB-07-1-2</td> <td></td> <td>10:35</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>-07</td> <td>EB-07-14-15</td> <td></td> <td>11:10</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>-08</td> <td>EB-09-3-4</td> <td></td> <td>8:40</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>-09</td> <td>EB-09-19-15</td> <td></td> <td>8:50</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>-10</td> <td>FIELD BLANK</td> <td>✓</td> <td>13:45</td> <td>Water</td> <td>KT</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> </tbody> </table> |             | ALPHA Lab ID<br>(Lab Use Only)                                                                                                                                                                                       | Sample ID | Collection                                                                                                                                                                                                                                                                                                                                                                 |    | Sample Matrix                                                                                                                                                                                                             | Sampler's Initials | VOL EPA 8260                                              | SVOC EPA 8270 | Pesticides/PUBs by EPA 8081/8082 | TAL Metals | Total Hg/Total Metals | Date          | Time               | 14188-01     | EB-03-1-2     | 4/23/18                          | 13:20      | Soil                  | KT | ✓ | ✓ | ✓ | ✓ |  | -02 | EB-03-16-17 |  | 13:30 |  |  | ✓ | ✓ | ✓ | ✓ |  | -03 | EB-03-23-24 |  | 13:40 |  |  | ✓ | ✓ | ✓ | ✓ |  | -04 | EB-04-0-1 |  | 9:30 |  |  | ✓ | ✓ | ✓ | ✓ |  | -05 | EB-04-15-16 |  | 9:40 |  |  | ✓ | ✓ | ✓ | ✓ |  | -06 | EB-07-1-2 |  | 10:35 |  |  | ✓ | ✓ | ✓ | ✓ |  | -07 | EB-07-14-15 |  | 11:10 |  |  | ✓ | ✓ | ✓ | ✓ |  | -08 | EB-09-3-4 |  | 8:40 |  |  | ✓ | ✓ | ✓ | ✓ |  | -09 | EB-09-19-15 |  | 8:50 |  |  | ✓ | ✓ | ✓ | ✓ |  | -10 | FIELD BLANK | ✓ | 13:45 | Water | KT | ✓ | ✓ | ✓ | ✓ | ✓ | Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other |  | Container Code<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle |  | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015 |  | Container Type<br>Preservative |  |
| ALPHA Lab ID<br>(Lab Use Only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Sample ID   |                                                                                                                                                                                                                      |           | Collection                                                                                                                                                                                                                                                                                                                                                                 |    |                                                                                                                                                                                                                           |                    |                                                           |               |                                  |            |                       | Sample Matrix | Sampler's Initials | VOL EPA 8260 | SVOC EPA 8270 | Pesticides/PUBs by EPA 8081/8082 | TAL Metals | Total Hg/Total Metals |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | Date                                                                                                                                                                                                                 | Time      |                                                                                                                                                                                                                                                                                                                                                                            |    |                                                                                                                                                                                                                           |                    |                                                           |               |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| 14188-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EB-03-1-2   | 4/23/18                                                                                                                                                                                                              | 13:20     | Soil                                                                                                                                                                                                                                                                                                                                                                       | KT | ✓                                                                                                                                                                                                                         | ✓                  | ✓                                                         | ✓             |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| -02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EB-03-16-17 |                                                                                                                                                                                                                      | 13:30     |                                                                                                                                                                                                                                                                                                                                                                            |    | ✓                                                                                                                                                                                                                         | ✓                  | ✓                                                         | ✓             |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| -03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EB-03-23-24 |                                                                                                                                                                                                                      | 13:40     |                                                                                                                                                                                                                                                                                                                                                                            |    | ✓                                                                                                                                                                                                                         | ✓                  | ✓                                                         | ✓             |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| -04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EB-04-0-1   |                                                                                                                                                                                                                      | 9:30      |                                                                                                                                                                                                                                                                                                                                                                            |    | ✓                                                                                                                                                                                                                         | ✓                  | ✓                                                         | ✓             |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| -05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EB-04-15-16 |                                                                                                                                                                                                                      | 9:40      |                                                                                                                                                                                                                                                                                                                                                                            |    | ✓                                                                                                                                                                                                                         | ✓                  | ✓                                                         | ✓             |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| -06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EB-07-1-2   |                                                                                                                                                                                                                      | 10:35     |                                                                                                                                                                                                                                                                                                                                                                            |    | ✓                                                                                                                                                                                                                         | ✓                  | ✓                                                         | ✓             |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| -07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EB-07-14-15 |                                                                                                                                                                                                                      | 11:10     |                                                                                                                                                                                                                                                                                                                                                                            |    | ✓                                                                                                                                                                                                                         | ✓                  | ✓                                                         | ✓             |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| -08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EB-09-3-4   |                                                                                                                                                                                                                      | 8:40      |                                                                                                                                                                                                                                                                                                                                                                            |    | ✓                                                                                                                                                                                                                         | ✓                  | ✓                                                         | ✓             |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| -09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EB-09-19-15 |                                                                                                                                                                                                                      | 8:50      |                                                                                                                                                                                                                                                                                                                                                                            |    | ✓                                                                                                                                                                                                                         | ✓                  | ✓                                                         | ✓             |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| -10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FIELD BLANK | ✓                                                                                                                                                                                                                    | 13:45     | Water                                                                                                                                                                                                                                                                                                                                                                      | KT | ✓                                                                                                                                                                                                                         | ✓                  | ✓                                                         | ✓             | ✓                                |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| Form No: 01-25 HC (rev. 30-Sept-2013)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             | Relinquished By:<br>Kyle Twinkly<br>Daniel Santos AAL                                                                                                                                                                |           | Date/Time<br>4/23/18 1500<br>4/23/18 1815<br>4/23/18 2300                                                                                                                                                                                                                                                                                                                  |    | Received By:<br>Jon Pauline AAL<br>Daniel Santos AAL<br>Michael AAL                                                                                                                                                       |                    | Date/Time<br>4/23/18 1500<br>4/23/18 1810<br>4/23/18 2300 |               |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |
| 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.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                            |    |                                                                                                                                                                                                                           |                    |                                                           |               |                                  |            |                       |               |                    |              |               |                                  |            |                       |    |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |           |  |       |  |  |   |   |   |   |  |     |             |  |       |  |  |   |   |   |   |  |     |           |  |      |  |  |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |  |     |             |   |       |       |    |   |   |   |   |   |                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                                                         |  |                                |  |



## ANALYTICAL REPORT

|                 |                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------|
| Lab Number:     | L1814438                                                                                                        |
| Client:         | Langan Engineering & Environmental<br>21 Penn Plaza<br>360 W. 31st Street, 8th Floor<br>New York, NY 10001-2727 |
| ATTN:           | Paul McMahon                                                                                                    |
| Phone:          | (212) 479-5429                                                                                                  |
| Project Name:   | 551 GREENWICH STREET                                                                                            |
| Project Number: | 190043701                                                                                                       |
| Report Date:    | 04/30/18                                                                                                        |

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), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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





**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814438  
**Report Date:** 04/30/18

| Alpha<br>Sample ID | Client ID    | Matrix | Sample<br>Location                     | Collection<br>Date/Time | Receive Date |
|--------------------|--------------|--------|----------------------------------------|-------------------------|--------------|
| L1814438-01        | EB-06_0-2    | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/24/18 07:45          | 04/24/18     |
| L1814438-02        | EB-06_13-15  | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/24/18 08:35          | 04/24/18     |
| L1814438-03        | EB-06_22-24  | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/24/18 08:45          | 04/24/18     |
| L1814438-04        | EB-01_0-2    | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/24/18 10:10          | 04/24/18     |
| L1814438-05        | EB-01_14-16  | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/24/18 10:45          | 04/24/18     |
| L1814438-06        | EB-08_0-2    | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/24/18 11:30          | 04/24/18     |
| L1814438-07        | EB-08_13-15  | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/24/18 11:45          | 04/24/18     |
| L1814438-08        | DUP01_042418 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/24/18 12:00          | 04/24/18     |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814438  
**Report Date:** 04/30/18

### 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:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814438  
**Report Date:** 04/30/18

### Case Narrative (continued)

#### Report Submission

April 30, 2018: This final report includes the results of all requested analyses.

April 25, 2018: 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

L1814438-08: The collection date and time on the chain of custody was 24-APR-18 12:00; however, the collection date/time on the container label was 24-APR-18 09:40. At the client's request, the collection date/time is reported as 24-APR-18 12:00.

#### Total Metals

L1814438-01 through -08: 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 WG1109532-3 MS recoveries, performed on L1814438-01, are outside the acceptance criteria for magnesium (31%), sodium (134%) and zinc (341%). A post digestion spike was performed and yielded an unacceptable recovery for sodium(152%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG1109532-3 MS recoveries for aluminum (0%), calcium (538%), iron (0%), lead (767%) and manganese (20%), performed on L1814438-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1109524-3 MS recovery, performed on L1814438-01, is outside the acceptance criteria for mercury (162%). A post digestion spike was performed and was within acceptance criteria.

The WG1109532-4 Laboratory Duplicate RPDs for aluminum (24%), chromium (39%), copper (32%), iron (26%), magnesium (37%), potassium (31%) and vanadium (40%), performed on L1814438-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814438  
**Report Date:** 04/30/18

**Case Narrative (continued)**

The WG1109524-4 Laboratory Duplicate RPD for mercury (53%), performed on L1814438-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native 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:



Amita Naik

Title: Technical Director/Representative

Date: 04/30/18

# ORGANICS

# VOLATILES

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-01

Date Collected: 04/24/18 07:45

Client ID: EB-06\_0-2

Date Received: 04/24/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/25/18 08:33

Analyst: MV

Percent Solids: 87%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 15  | 2.5  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.3 | 0.41 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.3 | 0.56 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.5 | 0.52 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 5.3 | 0.34 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.5 | 0.27 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.3 | 0.47 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.5 | 0.46 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.5 | 0.53 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 7.6 | 0.63 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.5 | 0.37 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.5 | 0.53 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.5 | 0.46 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.5 | 0.31 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.5 | 0.35 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.5 | 0.31 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 7.6 | 0.50 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 6.0 | 0.36 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.5 | 0.45 | 1               |
| Benzene                                          | ND     |           | ug/kg | 1.5 | 0.29 | 1               |
| Toluene                                          | ND     |           | ug/kg | 2.3 | 0.29 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.5 | 0.26 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 7.6 | 0.66 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 3.0 | 0.51 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 3.0 | 0.48 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 3.0 | 0.48 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.5 | 0.56 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.3 | 0.36 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-01**Date Collected:** 04/24/18 07:45**Client ID:** EB-06\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.5 | 0.46 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 7.6 | 0.28 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 7.6 | 0.33 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 7.6 | 0.28 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 3.0 | 0.23 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 3.0 | 0.53 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 3.0 | 0.51 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 3.0 | 0.51 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.5 | 0.52 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.5 | 0.36 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 15  | 0.36 | 1               |
| Styrene                                          | ND     |           | ug/kg | 3.0 | 0.61 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 15  | 0.76 | 1               |
| Acetone                                          | ND     |           | ug/kg | 15  | 3.5  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 15  | 1.7  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 15  | 1.0  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 15  | 0.23 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 15  | 0.37 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 15  | 0.27 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 15  | 1.0  | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 7.6 | 0.54 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 7.6 | 0.68 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 6.0 | 0.30 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 7.6 | 0.28 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.5 | 0.48 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 7.6 | 0.33 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.5 | 0.34 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.5 | 0.33 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 7.6 | 0.37 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 7.6 | 0.33 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 7.6 | 0.28 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 7.6 | 0.60 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 7.6 | 0.53 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.5 | 0.29 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.5 | 0.30 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 7.6 | 0.21 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 15  | 0.78 | 1               |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814438  
**Report Date:** 04/30/18

**SAMPLE RESULTS**

**Lab ID:** L1814438-01  
**Client ID:** EB-06\_0-2  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/24/18 07:45  
**Date Received:** 04/24/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.5 | 0.32 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 7.6 | 0.38 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 7.6 | 0.32 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 7.6 | 0.24 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 7.6 | 0.28 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 60  | 22.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 6.0 | 6.0  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 6.0 | 0.35 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 6.0 | 0.24 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 7.6 | 0.39 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 7.6 | 0.59 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 79         |           | 70-130              |
| Toluene-d8            | 108        |           | 70-130              |
| 4-Bromofluorobenzene  | 90         |           | 70-130              |
| Dibromofluoromethane  | 95         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-02 D  
 Client ID: EB-06\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 08:35  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/25/18 10:18

Analyst: MV

Percent Solids: 81%

| Parameter                                        | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                               | ND     |           | ug/kg | 2800 | 470 | 4               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 420  | 76. | 4               |
| Chloroform                                       | ND     |           | ug/kg | 420  | 100 | 4               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 280  | 98. | 4               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 990  | 64. | 4               |
| Dibromochloromethane                             | ND     |           | ug/kg | 280  | 50. | 4               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 420  | 88. | 4               |
| Tetrachloroethene                                | ND     |           | ug/kg | 280  | 85. | 4               |
| Chlorobenzene                                    | ND     |           | ug/kg | 280  | 98. | 4               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 1400 | 120 | 4               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 280  | 70. | 4               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 280  | 99. | 4               |
| Bromodichloromethane                             | ND     |           | ug/kg | 280  | 87. | 4               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 280  | 59. | 4               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 280  | 65. | 4               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 280  | 59. | 4               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 1400 | 93. | 4               |
| Bromoform                                        | ND     |           | ug/kg | 1100 | 67. | 4               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 280  | 84. | 4               |
| Benzene                                          | 5500   |           | ug/kg | 280  | 54. | 4               |
| Toluene                                          | 19000  |           | ug/kg | 420  | 55. | 4               |
| Ethylbenzene                                     | 15000  |           | ug/kg | 280  | 48. | 4               |
| Chloromethane                                    | ND     |           | ug/kg | 1400 | 120 | 4               |
| Bromomethane                                     | ND     |           | ug/kg | 560  | 96. | 4               |
| Vinyl chloride                                   | ND     |           | ug/kg | 560  | 89. | 4               |
| Chloroethane                                     | ND     |           | ug/kg | 560  | 89. | 4               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 280  | 100 | 4               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 420  | 68. | 4               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-02 D  
 Client ID: EB-06\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 08:35  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 280  | 85. | 4               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 1400 | 51. | 4               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 1400 | 62. | 4               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 1400 | 51. | 4               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 560  | 43. | 4               |
| p/m-Xylene                                       | 68000  |           | ug/kg | 560  | 99. | 4               |
| o-Xylene                                         | 30000  |           | ug/kg | 560  | 96. | 4               |
| Xylenes, Total                                   | 98000  |           | ug/kg | 560  | 96. | 4               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 280  | 97. | 4               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 280  | 68. | 4               |
| Dibromomethane                                   | ND     |           | ug/kg | 2800 | 68. | 4               |
| Styrene                                          | ND     |           | ug/kg | 560  | 110 | 4               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 2800 | 140 | 4               |
| Acetone                                          | ND     |           | ug/kg | 2800 | 650 | 4               |
| Carbon disulfide                                 | ND     |           | ug/kg | 2800 | 310 | 4               |
| 2-Butanone                                       | ND     |           | ug/kg | 2800 | 200 | 4               |
| Vinyl acetate                                    | ND     |           | ug/kg | 2800 | 43. | 4               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 2800 | 69. | 4               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 2800 | 50. | 4               |
| 2-Hexanone                                       | ND     |           | ug/kg | 2800 | 190 | 4               |
| Bromochloromethane                               | ND     |           | ug/kg | 1400 | 100 | 4               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 1400 | 130 | 4               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 1100 | 56. | 4               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 1400 | 52. | 4               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 280  | 90. | 4               |
| Bromobenzene                                     | ND     |           | ug/kg | 1400 | 62. | 4               |
| n-Butylbenzene                                   | 1800   |           | ug/kg | 280  | 64. | 4               |
| sec-Butylbenzene                                 | 640    |           | ug/kg | 280  | 61. | 4               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 1400 | 70. | 4               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 1400 | 62. | 4               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 1400 | 52. | 4               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 1400 | 110 | 4               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 1400 | 98. | 4               |
| Isopropylbenzene                                 | 1800   |           | ug/kg | 280  | 55. | 4               |
| p-Isopropyltoluene                               | 570    |           | ug/kg | 280  | 57. | 4               |
| Naphthalene                                      | 9000   |           | ug/kg | 1400 | 39. | 4               |
| Acrylonitrile                                    | ND     |           | ug/kg | 2800 | 140 | 4               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-02 D**Date Collected:** 04/24/18 08:35**Client ID:** EB-06\_13-15**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL    | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-------|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |       |      |                 |
| n-Propylbenzene                                  | 5600   |           | ug/kg | 280   | 61.  | 4               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 1400  | 71.  | 4               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 1400  | 61.  | 4               |
| 1,3,5-Trimethylbenzene                           | 17000  |           | ug/kg | 1400  | 46.  | 4               |
| 1,2,4-Trimethylbenzene                           | 49000  |           | ug/kg | 1400  | 53.  | 4               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 11000 | 4100 | 4               |
| p-Diethylbenzene                                 | 18000  |           | ug/kg | 1100  | 1100 | 4               |
| p-Ethyltoluene                                   | 35000  |           | ug/kg | 1100  | 66.  | 4               |
| 1,2,4,5-Tetramethylbenzene                       | 6000   |           | ug/kg | 1100  | 44.  | 4               |
| Ethyl ether                                      | ND     |           | ug/kg | 1400  | 74.  | 4               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 1400  | 110  | 4               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 103        |           | 70-130              |
| Toluene-d8            | 99         |           | 70-130              |
| 4-Bromofluorobenzene  | 108        |           | 70-130              |
| Dibromofluoromethane  | 90         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-03  
 Client ID: EB-06\_22-24  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 08:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:59  
 Analyst: MV  
 Percent Solids: 90%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 14  | 2.3  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.1 | 0.38 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.1 | 0.52 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.4 | 0.49 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 5.0 | 0.32 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.4 | 0.25 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.1 | 0.44 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.4 | 0.43 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.4 | 0.49 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 7.1 | 0.59 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.4 | 0.35 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.4 | 0.50 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.4 | 0.44 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.4 | 0.29 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.4 | 0.33 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.4 | 0.29 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 7.1 | 0.46 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 5.7 | 0.34 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.4 | 0.42 | 1               |
| Benzene                                          | ND     |           | ug/kg | 1.4 | 0.27 | 1               |
| Toluene                                          | ND     |           | ug/kg | 2.1 | 0.28 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.4 | 0.24 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 7.1 | 0.62 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 2.8 | 0.48 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 2.8 | 0.45 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 2.8 | 0.45 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.4 | 0.53 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.1 | 0.34 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-03**Date Collected:** 04/24/18 08:45**Client ID:** EB-06\_22-24**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.4 | 0.43 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 7.1 | 0.26 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 7.1 | 0.31 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 7.1 | 0.26 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 2.8 | 0.22 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 2.8 | 0.50 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 2.8 | 0.48 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 2.8 | 0.48 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.4 | 0.48 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.4 | 0.34 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 14  | 0.34 | 1               |
| Styrene                                          | ND     |           | ug/kg | 2.8 | 0.57 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 14  | 0.71 | 1               |
| Acetone                                          | 9.9    | J         | ug/kg | 14  | 3.2  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 14  | 1.6  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 14  | 0.98 | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 14  | 0.22 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 14  | 0.35 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 14  | 0.25 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 14  | 0.94 | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 7.1 | 0.51 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 7.1 | 0.64 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 5.7 | 0.28 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 7.1 | 0.26 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.4 | 0.45 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 7.1 | 0.31 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.4 | 0.32 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.4 | 0.31 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 7.1 | 0.35 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 7.1 | 0.31 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 7.1 | 0.26 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 7.1 | 0.56 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 7.1 | 0.49 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.4 | 0.28 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.4 | 0.29 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 7.1 | 0.20 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 14  | 0.73 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-03**Date Collected:** 04/24/18 08:45**Client ID:** EB-06\_22-24**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.4 | 0.30 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 7.1 | 0.36 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 7.1 | 0.30 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 7.1 | 0.23 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 7.1 | 0.26 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 57  | 20.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 5.7 | 5.7  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 5.7 | 0.33 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 5.7 | 0.22 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 7.1 | 0.37 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 7.1 | 0.56 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 97         |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 90         |           | 70-130              |
| Dibromofluoromethane  | 97         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-04

Date Collected: 04/24/18 10:10

Client ID: EB-01\_0-2

Date Received: 04/24/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/25/18 09:43

Analyst: MV

Percent Solids: 87%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 21  | 3.4  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 3.1 | 0.56 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 3.1 | 0.76 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 2.1 | 0.71 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 7.2 | 0.47 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 2.1 | 0.36 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 3.1 | 0.65 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 2.1 | 0.62 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 2.1 | 0.72 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 10  | 0.86 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 2.1 | 0.51 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 2.1 | 0.72 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 2.1 | 0.64 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 2.1 | 0.43 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 2.1 | 0.48 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 2.1 | 0.43 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 10  | 0.68 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 8.2 | 0.49 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 2.1 | 0.62 | 1               |
| Benzene                                          | ND     |           | ug/kg | 2.1 | 0.40 | 1               |
| Toluene                                          | ND     |           | ug/kg | 3.1 | 0.40 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 2.1 | 0.35 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 10  | 0.90 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 4.1 | 0.70 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 4.1 | 0.65 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 4.1 | 0.65 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 2.1 | 0.77 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 3.1 | 0.50 | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-04**Date Collected:** 04/24/18 10:10**Client ID:** EB-01\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 2.1 | 0.62 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 10  | 0.38 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 10  | 0.45 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 10  | 0.38 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 4.1 | 0.32 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 4.1 | 0.72 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 4.1 | 0.70 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 4.1 | 0.70 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 2.1 | 0.71 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 2.1 | 0.50 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 21  | 0.49 | 1               |
| Styrene                                          | ND     |           | ug/kg | 4.1 | 0.83 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 21  | 1.0  | 1               |
| Acetone                                          | ND     |           | ug/kg | 21  | 4.7  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 21  | 2.3  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 21  | 1.4  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 21  | 0.32 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 21  | 0.50 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 21  | 0.36 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 21  | 1.4  | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 10  | 0.74 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 10  | 0.93 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 8.2 | 0.41 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 10  | 0.38 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 2.1 | 0.66 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 10  | 0.45 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 2.1 | 0.47 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 2.1 | 0.45 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 10  | 0.51 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 10  | 0.46 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 10  | 0.38 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 10  | 0.82 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 10  | 0.72 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 2.1 | 0.40 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 2.1 | 0.42 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 10  | 0.28 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 21  | 1.1  | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814438  
**Report Date:** 04/30/18

**SAMPLE RESULTS**

**Lab ID:** L1814438-04  
**Client ID:** EB-01\_0-2  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/24/18 10:10  
**Date Received:** 04/24/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 2.1 | 0.44 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 10  | 0.52 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 10  | 0.44 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 10  | 0.33 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 10  | 0.38 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 82  | 30.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 8.2 | 8.2  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 8.2 | 0.48 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 8.2 | 0.32 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 10  | 0.54 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 10  | 0.81 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 93         |           | 70-130              |
| Toluene-d8            | 92         |           | 70-130              |
| 4-Bromofluorobenzene  | 95         |           | 70-130              |
| Dibromofluoromethane  | 98         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-05  
 Client ID: EB-01\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 10:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 10:09  
 Analyst: MV  
 Percent Solids: 77%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 16  | 2.7  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.4 | 0.44 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.4 | 0.60 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.6 | 0.56 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 5.6 | 0.37 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.6 | 0.28 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.4 | 0.50 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.6 | 0.49 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.6 | 0.56 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 8.1 | 0.67 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.6 | 0.40 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.6 | 0.56 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.6 | 0.50 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.6 | 0.34 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.6 | 0.37 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.6 | 0.34 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 8.1 | 0.53 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 6.4 | 0.38 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.6 | 0.48 | 1               |
| Benzene                                          | ND     |           | ug/kg | 1.6 | 0.31 | 1               |
| Toluene                                          | ND     |           | ug/kg | 2.4 | 0.31 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.6 | 0.27 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 8.1 | 0.70 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 3.2 | 0.54 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 3.2 | 0.51 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 3.2 | 0.51 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.6 | 0.60 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.4 | 0.39 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-05**Date Collected:** 04/24/18 10:45**Client ID:** EB-01\_14-16**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.6 | 0.49 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 8.1 | 0.29 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 8.1 | 0.35 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 8.1 | 0.29 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 3.2 | 0.25 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 3.2 | 0.57 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 3.2 | 0.54 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 3.2 | 0.54 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.6 | 0.55 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.6 | 0.39 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 16  | 0.38 | 1               |
| Styrene                                          | ND     |           | ug/kg | 3.2 | 0.65 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 16  | 0.81 | 1               |
| Acetone                                          | 18     |           | ug/kg | 16  | 3.7  | 1               |
| Carbon disulfide                                 | 1.8    | J         | ug/kg | 16  | 1.8  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 16  | 1.1  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 16  | 0.25 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 16  | 0.39 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 16  | 0.28 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 16  | 1.1  | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 8.1 | 0.58 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 8.1 | 0.73 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 6.4 | 0.32 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 8.1 | 0.30 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.6 | 0.51 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 8.1 | 0.35 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.6 | 0.37 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.6 | 0.35 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 8.1 | 0.40 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 8.1 | 0.36 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 8.1 | 0.30 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 8.1 | 0.64 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 8.1 | 0.56 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.6 | 0.31 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.6 | 0.33 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 8.1 | 0.22 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 16  | 0.83 | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814438  
**Report Date:** 04/30/18

**SAMPLE RESULTS**

**Lab ID:** L1814438-05  
**Client ID:** EB-01\_14-16  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/24/18 10:45  
**Date Received:** 04/24/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.6 | 0.35 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 8.1 | 0.40 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 8.1 | 0.35 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 8.1 | 0.26 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 8.1 | 0.30 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 64  | 23.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 6.4 | 6.4  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 6.4 | 0.38 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 6.4 | 0.25 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 8.1 | 0.42 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 8.1 | 0.63 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 92         |           | 70-130              |
| Toluene-d8            | 91         |           | 70-130              |
| 4-Bromofluorobenzene  | 95         |           | 70-130              |
| Dibromofluoromethane  | 97         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-06  
 Client ID: EB-08\_0-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 11:30  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:51  
 Analyst: MV  
 Percent Solids: 87%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 17  | 2.8  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.5 | 0.46 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.5 | 0.63 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.7 | 0.58 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 5.9 | 0.39 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.7 | 0.30 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.5 | 0.53 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.7 | 0.51 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.7 | 0.59 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 8.5 | 0.71 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.7 | 0.42 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.7 | 0.59 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.7 | 0.52 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.7 | 0.35 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.7 | 0.39 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.7 | 0.35 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 8.5 | 0.56 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 6.8 | 0.40 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.7 | 0.51 | 1               |
| Benzene                                          | ND     |           | ug/kg | 1.7 | 0.33 | 1               |
| Toluene                                          | ND     |           | ug/kg | 2.5 | 0.33 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.7 | 0.29 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 8.5 | 0.74 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 3.4 | 0.57 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 3.4 | 0.53 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 3.4 | 0.54 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.7 | 0.63 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.5 | 0.41 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-06**Date Collected:** 04/24/18 11:30**Client ID:** EB-08\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.7 | 0.51 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 8.5 | 0.31 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 8.5 | 0.37 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 8.5 | 0.31 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 3.4 | 0.26 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 3.4 | 0.60 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 3.4 | 0.57 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 3.4 | 0.57 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.7 | 0.58 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.7 | 0.41 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 17  | 0.40 | 1               |
| Styrene                                          | ND     |           | ug/kg | 3.4 | 0.68 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 17  | 0.85 | 1               |
| Acetone                                          | ND     |           | ug/kg | 17  | 3.9  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 17  | 1.9  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 17  | 1.2  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 17  | 0.26 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 17  | 0.41 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 17  | 0.30 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 17  | 1.1  | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 8.5 | 0.61 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 8.5 | 0.76 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 6.8 | 0.34 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 8.5 | 0.31 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.7 | 0.54 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 8.5 | 0.37 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.7 | 0.39 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.7 | 0.37 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 8.5 | 0.42 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 8.5 | 0.38 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 8.5 | 0.31 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 8.5 | 0.67 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 8.5 | 0.59 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.7 | 0.33 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.7 | 0.34 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 8.5 | 0.23 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 17  | 0.87 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-06**Date Collected:** 04/24/18 11:30**Client ID:** EB-08\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.7 | 0.36 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 8.5 | 0.43 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 8.5 | 0.36 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 8.5 | 0.27 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 8.5 | 0.32 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 68  | 24.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 6.8 | 6.8  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 6.8 | 0.40 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 6.8 | 0.26 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 8.5 | 0.44 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 8.5 | 0.66 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 89         |           | 70-130              |
| Toluene-d8            | 92         |           | 70-130              |
| 4-Bromofluorobenzene  | 101        |           | 70-130              |
| Dibromofluoromethane  | 98         |           | 70-130              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-07  
 Client ID: EB-08\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 11:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 09:17  
 Analyst: MV  
 Percent Solids: 78%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 14  | 2.2  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.0 | 0.37 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.0 | 0.50 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.4 | 0.47 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 4.8 | 0.31 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.4 | 0.24 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.0 | 0.43 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.4 | 0.41 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.4 | 0.47 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 6.8 | 0.57 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.4 | 0.34 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.4 | 0.48 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.4 | 0.42 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.4 | 0.28 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.4 | 0.32 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.4 | 0.28 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 6.8 | 0.45 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 5.4 | 0.32 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.4 | 0.41 | 1               |
| Benzene                                          | ND     |           | ug/kg | 1.4 | 0.26 | 1               |
| Toluene                                          | ND     |           | ug/kg | 2.0 | 0.26 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.4 | 0.23 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 6.8 | 0.59 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 2.7 | 0.46 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 2.7 | 0.43 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 2.7 | 0.43 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.4 | 0.51 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.0 | 0.33 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-07**Date Collected:** 04/24/18 11:45**Client ID:** EB-08\_13-15**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.4 | 0.41 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 6.8 | 0.25 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 6.8 | 0.30 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 6.8 | 0.25 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 2.7 | 0.21 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 2.7 | 0.48 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 2.7 | 0.46 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 2.7 | 0.46 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.4 | 0.47 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.4 | 0.33 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 14  | 0.32 | 1               |
| Styrene                                          | ND     |           | ug/kg | 2.7 | 0.55 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 14  | 0.68 | 1               |
| Acetone                                          | ND     |           | ug/kg | 14  | 3.1  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 14  | 1.5  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 14  | 0.94 | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 14  | 0.21 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 14  | 0.33 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 14  | 0.24 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 14  | 0.91 | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 6.8 | 0.49 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 6.8 | 0.61 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 5.4 | 0.27 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 6.8 | 0.25 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.4 | 0.43 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 6.8 | 0.30 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.4 | 0.31 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.4 | 0.30 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 6.8 | 0.34 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 6.8 | 0.30 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 6.8 | 0.25 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 6.8 | 0.54 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 6.8 | 0.47 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.4 | 0.26 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.4 | 0.28 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 6.8 | 0.19 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 14  | 0.70 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-07**Date Collected:** 04/24/18 11:45**Client ID:** EB-08\_13-15**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.4 | 0.29 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 6.8 | 0.34 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 6.8 | 0.29 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 6.8 | 0.22 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 6.8 | 0.25 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 54  | 20.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 5.4 | 5.4  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 5.4 | 0.32 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 5.4 | 0.21 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 6.8 | 0.35 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 6.8 | 0.53 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 94         |           | 70-130              |
| Toluene-d8            | 94         |           | 70-130              |
| 4-Bromofluorobenzene  | 102        |           | 70-130              |
| Dibromofluoromethane  | 98         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-08 D  
 Client ID: DUP01\_042418  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 12:00  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/25/18 11:09

Analyst: MV

Percent Solids: 78%

| Parameter                                        | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                               | ND     |           | ug/kg | 5300 | 880 | 5               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 800  | 140 | 5               |
| Chloroform                                       | ND     |           | ug/kg | 800  | 200 | 5               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 530  | 180 | 5               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 1800 | 120 | 5               |
| Dibromochloromethane                             | ND     |           | ug/kg | 530  | 93. | 5               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 800  | 170 | 5               |
| Tetrachloroethene                                | ND     |           | ug/kg | 530  | 160 | 5               |
| Chlorobenzene                                    | ND     |           | ug/kg | 530  | 180 | 5               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 2600 | 220 | 5               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 530  | 130 | 5               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 530  | 180 | 5               |
| Bromodichloromethane                             | ND     |           | ug/kg | 530  | 160 | 5               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 530  | 110 | 5               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 530  | 120 | 5               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 530  | 110 | 5               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 2600 | 170 | 5               |
| Bromoform                                        | ND     |           | ug/kg | 2100 | 120 | 5               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 530  | 160 | 5               |
| Benzene                                          | 9000   |           | ug/kg | 530  | 100 | 5               |
| Toluene                                          | 43000  |           | ug/kg | 800  | 100 | 5               |
| Ethylbenzene                                     | 25000  |           | ug/kg | 530  | 90. | 5               |
| Chloromethane                                    | ND     |           | ug/kg | 2600 | 230 | 5               |
| Bromomethane                                     | ND     |           | ug/kg | 1100 | 180 | 5               |
| Vinyl chloride                                   | ND     |           | ug/kg | 1100 | 170 | 5               |
| Chloroethane                                     | ND     |           | ug/kg | 1100 | 170 | 5               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 530  | 200 | 5               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 800  | 130 | 5               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-08 D  
 Client ID: DUP01\_042418  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 12:00  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 530  | 160  | 5               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 2600 | 96.  | 5               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 2600 | 120  | 5               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 2600 | 96.  | 5               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 1100 | 81.  | 5               |
| p/m-Xylene                                       | 120000 |           | ug/kg | 1100 | 190  | 5               |
| o-Xylene                                         | 50000  |           | ug/kg | 1100 | 180  | 5               |
| Xylenes, Total                                   | 170000 |           | ug/kg | 1100 | 180  | 5               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 530  | 180  | 5               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 530  | 130  | 5               |
| Dibromomethane                                   | ND     |           | ug/kg | 5300 | 130  | 5               |
| Styrene                                          | ND     |           | ug/kg | 1100 | 210  | 5               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 5300 | 260  | 5               |
| Acetone                                          | ND     |           | ug/kg | 5300 | 1200 | 5               |
| Carbon disulfide                                 | ND     |           | ug/kg | 5300 | 580  | 5               |
| 2-Butanone                                       | ND     |           | ug/kg | 5300 | 360  | 5               |
| Vinyl acetate                                    | ND     |           | ug/kg | 5300 | 81.  | 5               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 5300 | 130  | 5               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 5300 | 94.  | 5               |
| 2-Hexanone                                       | ND     |           | ug/kg | 5300 | 350  | 5               |
| Bromochloromethane                               | ND     |           | ug/kg | 2600 | 190  | 5               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 2600 | 240  | 5               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 2100 | 100  | 5               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 2600 | 97.  | 5               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 530  | 170  | 5               |
| Bromobenzene                                     | ND     |           | ug/kg | 2600 | 120  | 5               |
| n-Butylbenzene                                   | 2900   |           | ug/kg | 530  | 120  | 5               |
| sec-Butylbenzene                                 | 1000   |           | ug/kg | 530  | 120  | 5               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 2600 | 130  | 5               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 2600 | 120  | 5               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 2600 | 97.  | 5               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 2600 | 210  | 5               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 2600 | 180  | 5               |
| Isopropylbenzene                                 | 2800   |           | ug/kg | 530  | 100  | 5               |
| p-Isopropyltoluene                               | 930    |           | ug/kg | 530  | 110  | 5               |
| Naphthalene                                      | 16000  |           | ug/kg | 2600 | 73.  | 5               |
| Acrylonitrile                                    | ND     |           | ug/kg | 5300 | 270  | 5               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-08 D**Date Collected:** 04/24/18 12:00**Client ID:** DUP01\_042418**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL    | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-------|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |       |      |                 |
| n-Propylbenzene                                  | 8500   |           | ug/kg | 530   | 110  | 5               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 2600  | 130  | 5               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 2600  | 110  | 5               |
| 1,3,5-Trimethylbenzene                           | 26000  |           | ug/kg | 2600  | 85.  | 5               |
| 1,2,4-Trimethylbenzene                           | 77000  |           | ug/kg | 2600  | 99.  | 5               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 21000 | 7600 | 5               |
| p-Diethylbenzene                                 | 29000  |           | ug/kg | 2100  | 2100 | 5               |
| p-Ethyltoluene                                   | 54000  |           | ug/kg | 2100  | 120  | 5               |
| 1,2,4,5-Tetramethylbenzene                       | 9400   |           | ug/kg | 2100  | 83.  | 5               |
| Ethyl ether                                      | ND     |           | ug/kg | 2600  | 140  | 5               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 2600  | 210  | 5               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 96         |           | 70-130              |
| Toluene-d8            | 107        |           | 70-130              |
| 4-Bromofluorobenzene  | 97         |           | 70-130              |
| Dibromofluoromethane  | 88         |           | 70-130              |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:26  
 Analyst: MV

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-07 Batch: WG1109621-5 |        |           |       |     |      |
| Methylene chloride                                                                       | ND     |           | ug/kg | 10  | 1.6  |
| 1,1-Dichloroethane                                                                       | ND     |           | ug/kg | 1.5 | 0.27 |
| Chloroform                                                                               | ND     |           | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride                                                                     | ND     |           | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloropropane                                                                      | ND     |           | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane                                                                     | ND     |           | ug/kg | 1.0 | 0.18 |
| 1,1,2-Trichloroethane                                                                    | ND     |           | ug/kg | 1.5 | 0.31 |
| Tetrachloroethene                                                                        | ND     |           | ug/kg | 1.0 | 0.30 |
| Chlorobenzene                                                                            | ND     |           | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane                                                                   | ND     |           | ug/kg | 5.0 | 0.42 |
| 1,2-Dichloroethane                                                                       | ND     |           | ug/kg | 1.0 | 0.25 |
| 1,1,1-Trichloroethane                                                                    | ND     |           | ug/kg | 1.0 | 0.35 |
| Bromodichloromethane                                                                     | ND     |           | ug/kg | 1.0 | 0.31 |
| trans-1,3-Dichloropropene                                                                | ND     |           | ug/kg | 1.0 | 0.21 |
| cis-1,3-Dichloropropene                                                                  | ND     |           | ug/kg | 1.0 | 0.23 |
| 1,3-Dichloropropene, Total                                                               | ND     |           | ug/kg | 1.0 | 0.21 |
| 1,1-Dichloropropene                                                                      | ND     |           | ug/kg | 5.0 | 0.33 |
| Bromoform                                                                                | ND     |           | ug/kg | 4.0 | 0.24 |
| 1,1,2,2-Tetrachloroethane                                                                | ND     |           | ug/kg | 1.0 | 0.30 |
| Benzene                                                                                  | ND     |           | ug/kg | 1.0 | 0.19 |
| Toluene                                                                                  | ND     |           | ug/kg | 1.5 | 0.20 |
| Ethylbenzene                                                                             | ND     |           | ug/kg | 1.0 | 0.17 |
| Chloromethane                                                                            | ND     |           | ug/kg | 5.0 | 0.44 |
| Bromomethane                                                                             | 0.98   | J         | ug/kg | 2.0 | 0.34 |
| Vinyl chloride                                                                           | ND     |           | ug/kg | 2.0 | 0.32 |
| Chloroethane                                                                             | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene                                                                       | ND     |           | ug/kg | 1.0 | 0.37 |
| trans-1,2-Dichloroethene                                                                 | ND     |           | ug/kg | 1.5 | 0.24 |
| Trichloroethene                                                                          | ND     |           | ug/kg | 1.0 | 0.30 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:26  
 Analyst: MV

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-07 Batch: WG1109621-5 |        |           |       |     |      |
| 1,2-Dichlorobenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,4-Dichlorobenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.18 |
| Methyl tert butyl ether                                                                  | 0.20   | J         | ug/kg | 2.0 | 0.15 |
| p/m-Xylene                                                                               | ND     |           | ug/kg | 2.0 | 0.35 |
| o-Xylene                                                                                 | ND     |           | ug/kg | 2.0 | 0.34 |
| Xylenes, Total                                                                           | ND     |           | ug/kg | 2.0 | 0.34 |
| cis-1,2-Dichloroethene                                                                   | ND     |           | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloroethene, Total                                                                | ND     |           | ug/kg | 1.0 | 0.24 |
| Dibromomethane                                                                           | ND     |           | ug/kg | 10  | 0.24 |
| Styrene                                                                                  | ND     |           | ug/kg | 2.0 | 0.40 |
| Dichlorodifluoromethane                                                                  | ND     |           | ug/kg | 10  | 0.50 |
| Acetone                                                                                  | ND     |           | ug/kg | 10  | 2.3  |
| Carbon disulfide                                                                         | ND     |           | ug/kg | 10  | 1.1  |
| 2-Butanone                                                                               | ND     |           | ug/kg | 10  | 0.69 |
| Vinyl acetate                                                                            | ND     |           | ug/kg | 10  | 0.15 |
| 4-Methyl-2-pentanone                                                                     | ND     |           | ug/kg | 10  | 0.24 |
| 1,2,3-Trichloropropane                                                                   | ND     |           | ug/kg | 10  | 0.18 |
| 2-Hexanone                                                                               | ND     |           | ug/kg | 10  | 0.67 |
| Bromochloromethane                                                                       | ND     |           | ug/kg | 5.0 | 0.36 |
| 2,2-Dichloropropane                                                                      | ND     |           | ug/kg | 5.0 | 0.45 |
| 1,2-Dibromoethane                                                                        | ND     |           | ug/kg | 4.0 | 0.20 |
| 1,3-Dichloropropane                                                                      | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,1,1,2-Tetrachloroethane                                                                | ND     |           | ug/kg | 1.0 | 0.32 |
| Bromobenzene                                                                             | ND     |           | ug/kg | 5.0 | 0.22 |
| n-Butylbenzene                                                                           | ND     |           | ug/kg | 1.0 | 0.23 |
| sec-Butylbenzene                                                                         | ND     |           | ug/kg | 1.0 | 0.22 |
| tert-Butylbenzene                                                                        | ND     |           | ug/kg | 5.0 | 0.25 |
| o-Chlorotoluene                                                                          | ND     |           | ug/kg | 5.0 | 0.22 |



Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:26  
 Analyst: MV

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-07 Batch: WG1109621-5 |        |           |       |     |      |
| p-Chlorotoluene                                                                          | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,2-Dibromo-3-chloropropane                                                              | ND     |           | ug/kg | 5.0 | 0.40 |
| Hexachlorobutadiene                                                                      | ND     |           | ug/kg | 5.0 | 0.35 |
| Isopropylbenzene                                                                         | ND     |           | ug/kg | 1.0 | 0.19 |
| p-Isopropyltoluene                                                                       | ND     |           | ug/kg | 1.0 | 0.20 |
| Naphthalene                                                                              | ND     |           | ug/kg | 5.0 | 0.14 |
| Acrylonitrile                                                                            | ND     |           | ug/kg | 10  | 0.51 |
| n-Propylbenzene                                                                          | ND     |           | ug/kg | 1.0 | 0.22 |
| 1,2,3-Trichlorobenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.25 |
| 1,2,4-Trichlorobenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,3,5-Trimethylbenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.16 |
| 1,2,4-Trimethylbenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.19 |
| 1,4-Dioxane                                                                              | ND     |           | ug/kg | 40  | 14.  |
| p-Diethylbenzene                                                                         | ND     |           | ug/kg | 4.0 | 4.0  |
| p-Ethyltoluene                                                                           | ND     |           | ug/kg | 4.0 | 0.23 |
| 1,2,4,5-Tetramethylbenzene                                                               | ND     |           | ug/kg | 4.0 | 0.16 |
| Ethyl ether                                                                              | ND     |           | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene                                                              | ND     |           | ug/kg | 5.0 | 0.39 |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 95        |           | 70-130              |
| Toluene-d8            | 89        |           | 70-130              |
| 4-Bromofluorobenzene  | 97        |           | 70-130              |
| Dibromofluoromethane  | 95        |           | 70-130              |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:06  
 Analyst: MV

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG1109632-5 |        |           |       |     |      |
| Methylene chloride                                                                       | ND     |           | ug/kg | 10  | 1.6  |
| 1,1-Dichloroethane                                                                       | ND     |           | ug/kg | 1.5 | 0.27 |
| Chloroform                                                                               | ND     |           | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride                                                                     | ND     |           | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloropropane                                                                      | ND     |           | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane                                                                     | ND     |           | ug/kg | 1.0 | 0.18 |
| 1,1,2-Trichloroethane                                                                    | ND     |           | ug/kg | 1.5 | 0.31 |
| Tetrachloroethene                                                                        | ND     |           | ug/kg | 1.0 | 0.30 |
| Chlorobenzene                                                                            | ND     |           | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane                                                                   | ND     |           | ug/kg | 5.0 | 0.42 |
| 1,2-Dichloroethane                                                                       | ND     |           | ug/kg | 1.0 | 0.25 |
| 1,1,1-Trichloroethane                                                                    | ND     |           | ug/kg | 1.0 | 0.35 |
| Bromodichloromethane                                                                     | ND     |           | ug/kg | 1.0 | 0.31 |
| trans-1,3-Dichloropropene                                                                | ND     |           | ug/kg | 1.0 | 0.21 |
| cis-1,3-Dichloropropene                                                                  | ND     |           | ug/kg | 1.0 | 0.23 |
| 1,3-Dichloropropene, Total                                                               | ND     |           | ug/kg | 1.0 | 0.21 |
| 1,1-Dichloropropene                                                                      | ND     |           | ug/kg | 5.0 | 0.33 |
| Bromoform                                                                                | ND     |           | ug/kg | 4.0 | 0.24 |
| 1,1,2,2-Tetrachloroethane                                                                | ND     |           | ug/kg | 1.0 | 0.30 |
| Benzene                                                                                  | ND     |           | ug/kg | 1.0 | 0.19 |
| Toluene                                                                                  | ND     |           | ug/kg | 1.5 | 0.20 |
| Ethylbenzene                                                                             | ND     |           | ug/kg | 1.0 | 0.17 |
| Chloromethane                                                                            | ND     |           | ug/kg | 5.0 | 0.44 |
| Bromomethane                                                                             | ND     |           | ug/kg | 2.0 | 0.34 |
| Vinyl chloride                                                                           | ND     |           | ug/kg | 2.0 | 0.32 |
| Chloroethane                                                                             | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene                                                                       | ND     |           | ug/kg | 1.0 | 0.37 |
| trans-1,2-Dichloroethene                                                                 | ND     |           | ug/kg | 1.5 | 0.24 |
| Trichloroethene                                                                          | ND     |           | ug/kg | 1.0 | 0.30 |

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Lab Number: L1814438

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:06  
 Analyst: MV

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG1109632-5 |        |           |       |     |      |
| 1,2-Dichlorobenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,4-Dichlorobenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.18 |
| Methyl tert butyl ether                                                                  | 0.17   | J         | ug/kg | 2.0 | 0.15 |
| p/m-Xylene                                                                               | ND     |           | ug/kg | 2.0 | 0.35 |
| o-Xylene                                                                                 | ND     |           | ug/kg | 2.0 | 0.34 |
| Xylenes, Total                                                                           | ND     |           | ug/kg | 2.0 | 0.34 |
| cis-1,2-Dichloroethene                                                                   | ND     |           | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloroethene, Total                                                                | ND     |           | ug/kg | 1.0 | 0.24 |
| Dibromomethane                                                                           | ND     |           | ug/kg | 10  | 0.24 |
| Styrene                                                                                  | ND     |           | ug/kg | 2.0 | 0.40 |
| Dichlorodifluoromethane                                                                  | ND     |           | ug/kg | 10  | 0.50 |
| Acetone                                                                                  | ND     |           | ug/kg | 10  | 2.3  |
| Carbon disulfide                                                                         | ND     |           | ug/kg | 10  | 1.1  |
| 2-Butanone                                                                               | ND     |           | ug/kg | 10  | 0.69 |
| Vinyl acetate                                                                            | ND     |           | ug/kg | 10  | 0.15 |
| 4-Methyl-2-pentanone                                                                     | ND     |           | ug/kg | 10  | 0.24 |
| 1,2,3-Trichloropropane                                                                   | ND     |           | ug/kg | 10  | 0.18 |
| 2-Hexanone                                                                               | ND     |           | ug/kg | 10  | 0.67 |
| Bromochloromethane                                                                       | ND     |           | ug/kg | 5.0 | 0.36 |
| 2,2-Dichloropropane                                                                      | ND     |           | ug/kg | 5.0 | 0.45 |
| 1,2-Dibromoethane                                                                        | ND     |           | ug/kg | 4.0 | 0.20 |
| 1,3-Dichloropropane                                                                      | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,1,1,2-Tetrachloroethane                                                                | ND     |           | ug/kg | 1.0 | 0.32 |
| Bromobenzene                                                                             | ND     |           | ug/kg | 5.0 | 0.22 |
| n-Butylbenzene                                                                           | ND     |           | ug/kg | 1.0 | 0.23 |
| sec-Butylbenzene                                                                         | ND     |           | ug/kg | 1.0 | 0.22 |
| tert-Butylbenzene                                                                        | ND     |           | ug/kg | 5.0 | 0.25 |
| o-Chlorotoluene                                                                          | ND     |           | ug/kg | 5.0 | 0.22 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:06  
 Analyst: MV

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG1109632-5 |        |           |       |     |      |
| p-Chlorotoluene                                                                          | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,2-Dibromo-3-chloropropane                                                              | ND     |           | ug/kg | 5.0 | 0.40 |
| Hexachlorobutadiene                                                                      | ND     |           | ug/kg | 5.0 | 0.35 |
| Isopropylbenzene                                                                         | ND     |           | ug/kg | 1.0 | 0.19 |
| p-Isopropyltoluene                                                                       | ND     |           | ug/kg | 1.0 | 0.20 |
| Naphthalene                                                                              | ND     |           | ug/kg | 5.0 | 0.14 |
| Acrylonitrile                                                                            | ND     |           | ug/kg | 10  | 0.51 |
| n-Propylbenzene                                                                          | ND     |           | ug/kg | 1.0 | 0.22 |
| 1,2,3-Trichlorobenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.25 |
| 1,2,4-Trichlorobenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,3,5-Trimethylbenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.16 |
| 1,2,4-Trimethylbenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.19 |
| 1,4-Dioxane                                                                              | ND     |           | ug/kg | 40  | 14.  |
| p-Diethylbenzene                                                                         | ND     |           | ug/kg | 4.0 | 4.0  |
| p-Ethyltoluene                                                                           | ND     |           | ug/kg | 4.0 | 0.23 |
| 1,2,4,5-Tetramethylbenzene                                                               | ND     |           | ug/kg | 4.0 | 0.16 |
| Ethyl ether                                                                              | ND     |           | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene                                                              | ND     |           | ug/kg | 5.0 | 0.39 |

#### Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:06  
 Analyst: MV

| Parameter                                                                                | Result | Qualifier | Units | RL | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG1109632-5 |        |           |       |    |     |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 99        |           | 70-130                 |
| Toluene-d8            | 92        |           | 70-130                 |
| 4-Bromofluorobenzene  | 91        |           | 70-130                 |
| Dibromofluoromethane  | 103       |           | 70-130                 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:06  
 Analyst: MV

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,08 Batch: WG1109638-5 |        |           |       |     |     |
| Methylene chloride                                                                       | ND     |           | ug/kg | 500 | 82. |
| 1,1-Dichloroethane                                                                       | ND     |           | ug/kg | 75  | 14. |
| Chloroform                                                                               | ND     |           | ug/kg | 75  | 18. |
| Carbon tetrachloride                                                                     | ND     |           | ug/kg | 50  | 17. |
| 1,2-Dichloropropane                                                                      | ND     |           | ug/kg | 180 | 11. |
| Dibromochloromethane                                                                     | ND     |           | ug/kg | 50  | 8.8 |
| 1,1,2-Trichloroethane                                                                    | ND     |           | ug/kg | 75  | 16. |
| Tetrachloroethene                                                                        | ND     |           | ug/kg | 50  | 15. |
| Chlorobenzene                                                                            | ND     |           | ug/kg | 50  | 17. |
| Trichlorofluoromethane                                                                   | ND     |           | ug/kg | 250 | 21. |
| 1,2-Dichloroethane                                                                       | ND     |           | ug/kg | 50  | 12. |
| 1,1,1-Trichloroethane                                                                    | ND     |           | ug/kg | 50  | 18. |
| Bromodichloromethane                                                                     | ND     |           | ug/kg | 50  | 15. |
| trans-1,3-Dichloropropene                                                                | ND     |           | ug/kg | 50  | 10. |
| cis-1,3-Dichloropropene                                                                  | ND     |           | ug/kg | 50  | 12. |
| 1,3-Dichloropropene, Total                                                               | ND     |           | ug/kg | 50  | 10. |
| 1,1-Dichloropropene                                                                      | ND     |           | ug/kg | 250 | 16. |
| Bromoform                                                                                | ND     |           | ug/kg | 200 | 12. |
| 1,1,2,2-Tetrachloroethane                                                                | ND     |           | ug/kg | 50  | 15. |
| Benzene                                                                                  | ND     |           | ug/kg | 50  | 9.6 |
| Toluene                                                                                  | ND     |           | ug/kg | 75  | 9.8 |
| Ethylbenzene                                                                             | ND     |           | ug/kg | 50  | 8.5 |
| Chloromethane                                                                            | ND     |           | ug/kg | 250 | 22. |
| Bromomethane                                                                             | ND     |           | ug/kg | 100 | 17. |
| Vinyl chloride                                                                           | ND     |           | ug/kg | 100 | 16. |
| Chloroethane                                                                             | ND     |           | ug/kg | 100 | 16. |
| 1,1-Dichloroethene                                                                       | ND     |           | ug/kg | 50  | 19. |
| trans-1,2-Dichloroethene                                                                 | ND     |           | ug/kg | 75  | 12. |
| Trichloroethene                                                                          | ND     |           | ug/kg | 50  | 15. |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:06  
 Analyst: MV

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,08 Batch: WG1109638-5 |        |           |       |     |     |
| 1,2-Dichlorobenzene                                                                      | ND     |           | ug/kg | 250 | 9.1 |
| 1,3-Dichlorobenzene                                                                      | ND     |           | ug/kg | 250 | 11. |
| 1,4-Dichlorobenzene                                                                      | ND     |           | ug/kg | 250 | 9.1 |
| Methyl tert butyl ether                                                                  | 8.4    | J         | ug/kg | 100 | 7.6 |
| p/m-Xylene                                                                               | ND     |           | ug/kg | 100 | 18. |
| o-Xylene                                                                                 | ND     |           | ug/kg | 100 | 17. |
| Xylenes, Total                                                                           | ND     |           | ug/kg | 100 | 17. |
| cis-1,2-Dichloroethene                                                                   | ND     |           | ug/kg | 50  | 17. |
| 1,2-Dichloroethene, Total                                                                | ND     |           | ug/kg | 50  | 12. |
| Dibromomethane                                                                           | ND     |           | ug/kg | 500 | 12. |
| Styrene                                                                                  | ND     |           | ug/kg | 100 | 20. |
| Dichlorodifluoromethane                                                                  | ND     |           | ug/kg | 500 | 25. |
| Acetone                                                                                  | ND     |           | ug/kg | 500 | 110 |
| Carbon disulfide                                                                         | ND     |           | ug/kg | 500 | 55. |
| 2-Butanone                                                                               | ND     |           | ug/kg | 500 | 34. |
| Vinyl acetate                                                                            | ND     |           | ug/kg | 500 | 7.6 |
| 4-Methyl-2-pentanone                                                                     | ND     |           | ug/kg | 500 | 12. |
| 1,2,3-Trichloropropane                                                                   | ND     |           | ug/kg | 500 | 8.8 |
| 2-Hexanone                                                                               | ND     |           | ug/kg | 500 | 33. |
| Bromochloromethane                                                                       | ND     |           | ug/kg | 250 | 18. |
| 2,2-Dichloropropane                                                                      | ND     |           | ug/kg | 250 | 22. |
| 1,2-Dibromoethane                                                                        | ND     |           | ug/kg | 200 | 10. |
| 1,3-Dichloropropane                                                                      | ND     |           | ug/kg | 250 | 9.2 |
| 1,1,1,2-Tetrachloroethane                                                                | ND     |           | ug/kg | 50  | 16. |
| Bromobenzene                                                                             | ND     |           | ug/kg | 250 | 11. |
| n-Butylbenzene                                                                           | ND     |           | ug/kg | 50  | 11. |
| sec-Butylbenzene                                                                         | ND     |           | ug/kg | 50  | 11. |
| tert-Butylbenzene                                                                        | ND     |           | ug/kg | 250 | 12. |
| o-Chlorotoluene                                                                          | ND     |           | ug/kg | 250 | 11. |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/25/18 08:06  
 Analyst: MV

| Parameter                                                                                | Result | Qualifier | Units | RL   | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,08 Batch: WG1109638-5 |        |           |       |      |     |
| p-Chlorotoluene                                                                          | ND     |           | ug/kg | 250  | 9.2 |
| 1,2-Dibromo-3-chloropropane                                                              | ND     |           | ug/kg | 250  | 20. |
| Hexachlorobutadiene                                                                      | ND     |           | ug/kg | 250  | 17. |
| Isopropylbenzene                                                                         | ND     |           | ug/kg | 50   | 9.7 |
| p-Isopropyltoluene                                                                       | ND     |           | ug/kg | 50   | 10. |
| Naphthalene                                                                              | ND     |           | ug/kg | 250  | 6.9 |
| Acrylonitrile                                                                            | ND     |           | ug/kg | 500  | 26. |
| n-Propylbenzene                                                                          | ND     |           | ug/kg | 50   | 11. |
| 1,2,3-Trichlorobenzene                                                                   | ND     |           | ug/kg | 250  | 12. |
| 1,2,4-Trichlorobenzene                                                                   | ND     |           | ug/kg | 250  | 11. |
| 1,3,5-Trimethylbenzene                                                                   | ND     |           | ug/kg | 250  | 8.0 |
| 1,2,4-Trimethylbenzene                                                                   | ND     |           | ug/kg | 250  | 9.3 |
| 1,4-Dioxane                                                                              | ND     |           | ug/kg | 2000 | 720 |
| p-Diethylbenzene                                                                         | ND     |           | ug/kg | 200  | 200 |
| p-Ethyltoluene                                                                           | ND     |           | ug/kg | 200  | 12. |
| 1,2,4,5-Tetramethylbenzene                                                               | ND     |           | ug/kg | 200  | 7.8 |
| Ethyl ether                                                                              | ND     |           | ug/kg | 250  | 13. |
| trans-1,4-Dichloro-2-butene                                                              | ND     |           | ug/kg | 250  | 20. |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 99        |           | 70-130              |
| Toluene-d8            | 92        |           | 70-130              |
| 4-Bromofluorobenzene  | 91        |           | 70-130              |
| Dibromofluoromethane  | 103       |           | 70-130              |



# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-07 Batch: WG1109621-3 WG1109621-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                          | 98               |      | 99                |      | 70-130              | 1   |      | 30            |
| 1,1-Dichloroethane                                                                                          | 102              |      | 101               |      | 70-130              | 1   |      | 30            |
| Chloroform                                                                                                  | 106              |      | 106               |      | 70-130              | 0   |      | 30            |
| Carbon tetrachloride                                                                                        | 106              |      | 104               |      | 70-130              | 2   |      | 30            |
| 1,2-Dichloropropane                                                                                         | 103              |      | 105               |      | 70-130              | 2   |      | 30            |
| Dibromochloromethane                                                                                        | 94               |      | 95                |      | 70-130              | 1   |      | 30            |
| 1,1,2-Trichloroethane                                                                                       | 105              |      | 106               |      | 70-130              | 1   |      | 30            |
| Tetrachloroethene                                                                                           | 95               |      | 93                |      | 70-130              | 2   |      | 30            |
| Chlorobenzene                                                                                               | 92               |      | 93                |      | 70-130              | 1   |      | 30            |
| Trichlorofluoromethane                                                                                      | 110              |      | 110               |      | 70-139              | 0   |      | 30            |
| 1,2-Dichloroethane                                                                                          | 106              |      | 108               |      | 70-130              | 2   |      | 30            |
| 1,1,1-Trichloroethane                                                                                       | 104              |      | 103               |      | 70-130              | 1   |      | 30            |
| Bromodichloromethane                                                                                        | 107              |      | 107               |      | 70-130              | 0   |      | 30            |
| trans-1,3-Dichloropropene                                                                                   | 98               |      | 98                |      | 70-130              | 0   |      | 30            |
| cis-1,3-Dichloropropene                                                                                     | 103              |      | 105               |      | 70-130              | 2   |      | 30            |
| 1,1-Dichloropropene                                                                                         | 108              |      | 108               |      | 70-130              | 0   |      | 30            |
| Bromoform                                                                                                   | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                   | 96               |      | 96                |      | 70-130              | 0   |      | 30            |
| Benzene                                                                                                     | 102              |      | 103               |      | 70-130              | 1   |      | 30            |
| Toluene                                                                                                     | 90               |      | 91                |      | 70-130              | 1   |      | 30            |
| Ethylbenzene                                                                                                | 91               |      | 91                |      | 70-130              | 0   |      | 30            |
| Chloromethane                                                                                               | 97               |      | 97                |      | 52-130              | 0   |      | 30            |
| Bromomethane                                                                                                | 84               |      | 88                |      | 57-147              | 5   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-07 Batch: WG1109621-3 WG1109621-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                              | 102              |      | 101               |      | 67-130              | 1   |      | 30            |
| Chloroethane                                                                                                | 112              |      | 109               |      | 50-151              | 3   |      | 30            |
| 1,1-Dichloroethene                                                                                          | 106              |      | 106               |      | 65-135              | 0   |      | 30            |
| trans-1,2-Dichloroethene                                                                                    | 104              |      | 104               |      | 70-130              | 0   |      | 30            |
| Trichloroethene                                                                                             | 110              |      | 108               |      | 70-130              | 2   |      | 30            |
| 1,2-Dichlorobenzene                                                                                         | 89               |      | 89                |      | 70-130              | 0   |      | 30            |
| 1,3-Dichlorobenzene                                                                                         | 88               |      | 88                |      | 70-130              | 0   |      | 30            |
| 1,4-Dichlorobenzene                                                                                         | 86               |      | 86                |      | 70-130              | 0   |      | 30            |
| Methyl tert butyl ether                                                                                     | 103              |      | 105               |      | 66-130              | 2   |      | 30            |
| p/m-Xylene                                                                                                  | 92               |      | 93                |      | 70-130              | 1   |      | 30            |
| o-Xylene                                                                                                    | 91               |      | 92                |      | 70-130              | 1   |      | 30            |
| cis-1,2-Dichloroethene                                                                                      | 107              |      | 107               |      | 70-130              | 0   |      | 30            |
| Dibromomethane                                                                                              | 112              |      | 114               |      | 70-130              | 2   |      | 30            |
| Styrene                                                                                                     | 94               |      | 95                |      | 70-130              | 1   |      | 30            |
| Dichlorodifluoromethane                                                                                     | 113              |      | 111               |      | 30-146              | 2   |      | 30            |
| Acetone                                                                                                     | 208              | Q    | 157               | Q    | 54-140              | 28  |      | 30            |
| Carbon disulfide                                                                                            | 95               |      | 94                |      | 59-130              | 1   |      | 30            |
| 2-Butanone                                                                                                  | 151              | Q    | 131               | Q    | 70-130              | 14  |      | 30            |
| Vinyl acetate                                                                                               | 98               |      | 99                |      | 70-130              | 1   |      | 30            |
| 4-Methyl-2-pentanone                                                                                        | 91               |      | 91                |      | 70-130              | 0   |      | 30            |
| 1,2,3-Trichloropropane                                                                                      | 98               |      | 97                |      | 68-130              | 1   |      | 30            |
| 2-Hexanone                                                                                                  | 100              |      | 93                |      | 70-130              | 7   |      | 30            |
| Bromochloromethane                                                                                          | 111              |      | 110               |      | 70-130              | 1   |      | 30            |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814438

Report Date: 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-07 Batch: WG1109621-3 WG1109621-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                         | 99               |      | 99                |      | 70-130              | 0   |      | 30            |
| 1,2-Dibromoethane                                                                                           | 96               |      | 100               |      | 70-130              | 4   |      | 30            |
| 1,3-Dichloropropane                                                                                         | 102              |      | 103               |      | 69-130              | 1   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                                   | 93               |      | 96                |      | 70-130              | 3   |      | 30            |
| Bromobenzene                                                                                                | 89               |      | 89                |      | 70-130              | 0   |      | 30            |
| n-Butylbenzene                                                                                              | 89               |      | 87                |      | 70-130              | 2   |      | 30            |
| sec-Butylbenzene                                                                                            | 84               |      | 83                |      | 70-130              | 1   |      | 30            |
| tert-Butylbenzene                                                                                           | 86               |      | 86                |      | 70-130              | 0   |      | 30            |
| o-Chlorotoluene                                                                                             | 69               | Q    | 90                |      | 70-130              | 26  |      | 30            |
| p-Chlorotoluene                                                                                             | 86               |      | 86                |      | 70-130              | 0   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                                 | 91               |      | 90                |      | 68-130              | 1   |      | 30            |
| Hexachlorobutadiene                                                                                         | 80               |      | 78                |      | 67-130              | 3   |      | 30            |
| Isopropylbenzene                                                                                            | 87               |      | 87                |      | 70-130              | 0   |      | 30            |
| p-Isopropyltoluene                                                                                          | 88               |      | 88                |      | 70-130              | 0   |      | 30            |
| Naphthalene                                                                                                 | 95               |      | 95                |      | 70-130              | 0   |      | 30            |
| Acrylonitrile                                                                                               | 114              |      | 114               |      | 70-130              | 0   |      | 30            |
| n-Propylbenzene                                                                                             | 87               |      | 86                |      | 70-130              | 1   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                      | 89               |      | 88                |      | 70-130              | 1   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                      | 87               |      | 88                |      | 70-130              | 1   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                      | 88               |      | 88                |      | 70-130              | 0   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                      | 90               |      | 89                |      | 70-130              | 1   |      | 30            |
| 1,4-Dioxane                                                                                                 | 125              |      | 122               |      | 65-136              | 2   |      | 30            |
| p-Diethylbenzene                                                                                            | 80               |      | 80                |      | 70-130              | 0   |      | 30            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-07 Batch: WG1109621-3 WG1109621-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene                                                                                              | 80               |      | 79                |      | 70-130              | 1   |      | 30            |
| 1,2,4,5-Tetramethylbenzene                                                                                  | 78               |      | 78                |      | 70-130              | 0   |      | 30            |
| Ethyl ether                                                                                                 | 112              |      | 112               |      | 67-130              | 0   |      | 30            |
| trans-1,4-Dichloro-2-butene                                                                                 | 86               |      | 88                |      | 70-130              | 2   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 98               |      | 96                |      | 70-130                 |
| Toluene-d8            | 90               |      | 90                |      | 70-130                 |
| 4-Bromofluorobenzene  | 94               |      | 94                |      | 70-130                 |
| Dibromofluoromethane  | 101              |      | 99                |      | 70-130                 |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814438

Report Date: 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG1109632-3 WG1109632-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                          | 102              |      | 104               |      | 70-130              | 2   |      | 30            |
| 1,1-Dichloroethane                                                                                          | 102              |      | 104               |      | 70-130              | 2   |      | 30            |
| Chloroform                                                                                                  | 91               |      | 103               |      | 70-130              | 12  |      | 30            |
| Carbon tetrachloride                                                                                        | 101              |      | 112               |      | 70-130              | 10  |      | 30            |
| 1,2-Dichloropropane                                                                                         | 98               |      | 97                |      | 70-130              | 1   |      | 30            |
| Dibromochloromethane                                                                                        | 99               |      | 103               |      | 70-130              | 4   |      | 30            |
| 1,1,2-Trichloroethane                                                                                       | 101              |      | 104               |      | 70-130              | 3   |      | 30            |
| Tetrachloroethene                                                                                           | 117              |      | 118               |      | 70-130              | 1   |      | 30            |
| Chlorobenzene                                                                                               | 108              |      | 108               |      | 70-130              | 0   |      | 30            |
| Trichlorofluoromethane                                                                                      | 96               |      | 97                |      | 70-139              | 1   |      | 30            |
| 1,2-Dichloroethane                                                                                          | 89               |      | 93                |      | 70-130              | 4   |      | 30            |
| 1,1,1-Trichloroethane                                                                                       | 95               |      | 106               |      | 70-130              | 11  |      | 30            |
| Bromodichloromethane                                                                                        | 95               |      | 97                |      | 70-130              | 2   |      | 30            |
| trans-1,3-Dichloropropene                                                                                   | 101              |      | 106               |      | 70-130              | 5   |      | 30            |
| cis-1,3-Dichloropropene                                                                                     | 100              |      | 102               |      | 70-130              | 2   |      | 30            |
| 1,1-Dichloropropene                                                                                         | 97               |      | 106               |      | 70-130              | 9   |      | 30            |
| Bromoform                                                                                                   | 106              |      | 113               |      | 70-130              | 6   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                   | 96               |      | 101               |      | 70-130              | 5   |      | 30            |
| Benzene                                                                                                     | 94               |      | 97                |      | 70-130              | 3   |      | 30            |
| Toluene                                                                                                     | 96               |      | 98                |      | 70-130              | 2   |      | 30            |
| Ethylbenzene                                                                                                | 103              |      | 103               |      | 70-130              | 0   |      | 30            |
| Chloromethane                                                                                               | 93               |      | 93                |      | 52-130              | 0   |      | 30            |
| Bromomethane                                                                                                | 104              |      | 103               |      | 57-147              | 1   |      | 30            |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814438

Report Date: 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG1109632-3 WG1109632-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                              | 100              |      | 103               |      | 67-130              | 3   |      | 30            |
| Chloroethane                                                                                                | 86               |      | 85                |      | 50-151              | 1   |      | 30            |
| 1,1-Dichloroethene                                                                                          | 107              |      | 107               |      | 65-135              | 0   |      | 30            |
| trans-1,2-Dichloroethene                                                                                    | 108              |      | 109               |      | 70-130              | 1   |      | 30            |
| Trichloroethene                                                                                             | 105              |      | 102               |      | 70-130              | 3   |      | 30            |
| 1,2-Dichlorobenzene                                                                                         | 111              |      | 113               |      | 70-130              | 2   |      | 30            |
| 1,3-Dichlorobenzene                                                                                         | 110              |      | 113               |      | 70-130              | 3   |      | 30            |
| 1,4-Dichlorobenzene                                                                                         | 111              |      | 111               |      | 70-130              | 0   |      | 30            |
| Methyl tert butyl ether                                                                                     | 94               |      | 96                |      | 66-130              | 2   |      | 30            |
| p/m-Xylene                                                                                                  | 107              |      | 106               |      | 70-130              | 1   |      | 30            |
| o-Xylene                                                                                                    | 103              |      | 102               |      | 70-130              | 1   |      | 30            |
| cis-1,2-Dichloroethene                                                                                      | 104              |      | 111               |      | 70-130              | 7   |      | 30            |
| Dibromomethane                                                                                              | 99               |      | 99                |      | 70-130              | 0   |      | 30            |
| Styrene                                                                                                     | 102              |      | 102               |      | 70-130              | 0   |      | 30            |
| Dichlorodifluoromethane                                                                                     | 89               |      | 90                |      | 30-146              | 1   |      | 30            |
| Acetone                                                                                                     | 172              | Q    | 173               | Q    | 54-140              | 1   |      | 30            |
| Carbon disulfide                                                                                            | 98               |      | 98                |      | 59-130              | 0   |      | 30            |
| 2-Butanone                                                                                                  | 109              |      | 123               |      | 70-130              | 12  |      | 30            |
| Vinyl acetate                                                                                               | 84               |      | 85                |      | 70-130              | 1   |      | 30            |
| 4-Methyl-2-pentanone                                                                                        | 81               |      | 83                |      | 70-130              | 2   |      | 30            |
| 1,2,3-Trichloropropane                                                                                      | 97               |      | 102               |      | 68-130              | 5   |      | 30            |
| 2-Hexanone                                                                                                  | 95               |      | 94                |      | 70-130              | 1   |      | 30            |
| Bromochloromethane                                                                                          | 108              |      | 120               |      | 70-130              | 11  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG1109632-3 WG1109632-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                         | 95               |      | 102               |      | 70-130              | 7   |      | 30            |
| 1,2-Dibromoethane                                                                                           | 110              |      | 111               |      | 70-130              | 1   |      | 30            |
| 1,3-Dichloropropane                                                                                         | 103              |      | 103               |      | 69-130              | 0   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                                   | 108              |      | 110               |      | 70-130              | 2   |      | 30            |
| Bromobenzene                                                                                                | 111              |      | 119               |      | 70-130              | 7   |      | 30            |
| n-Butylbenzene                                                                                              | 104              |      | 103               |      | 70-130              | 1   |      | 30            |
| sec-Butylbenzene                                                                                            | 100              |      | 101               |      | 70-130              | 1   |      | 30            |
| tert-Butylbenzene                                                                                           | 106              |      | 108               |      | 70-130              | 2   |      | 30            |
| o-Chlorotoluene                                                                                             | 99               |      | 104               |      | 70-130              | 5   |      | 30            |
| p-Chlorotoluene                                                                                             | 101              |      | 106               |      | 70-130              | 5   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                                 | 93               |      | 100               |      | 68-130              | 7   |      | 30            |
| Hexachlorobutadiene                                                                                         | 113              |      | 126               |      | 67-130              | 11  |      | 30            |
| Isopropylbenzene                                                                                            | 103              |      | 108               |      | 70-130              | 5   |      | 30            |
| p-Isopropyltoluene                                                                                          | 106              |      | 107               |      | 70-130              | 1   |      | 30            |
| Naphthalene                                                                                                 | 95               |      | 106               |      | 70-130              | 11  |      | 30            |
| Acrylonitrile                                                                                               | 92               |      | 93                |      | 70-130              | 1   |      | 30            |
| n-Propylbenzene                                                                                             | 102              |      | 107               |      | 70-130              | 5   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                      | 114              |      | 128               |      | 70-130              | 12  |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                      | 113              |      | 124               |      | 70-130              | 9   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                      | 105              |      | 110               |      | 70-130              | 5   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                      | 103              |      | 106               |      | 70-130              | 3   |      | 30            |
| 1,4-Dioxane                                                                                                 | 89               |      | 91                |      | 65-136              | 2   |      | 30            |
| p-Diethylbenzene                                                                                            | 98               |      | 96                |      | 70-130              | 2   |      | 30            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG1109632-3 WG1109632-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene                                                                                              | 94               |      | 99                |      | 70-130              | 5   |      | 30            |
| 1,2,4,5-Tetramethylbenzene                                                                                  | 95               |      | 96                |      | 70-130              | 1   |      | 30            |
| Ethyl ether                                                                                                 | 99               |      | 100               |      | 67-130              | 1   |      | 30            |
| trans-1,4-Dichloro-2-butene                                                                                 | 87               |      | 85                |      | 70-130              | 2   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 89               |      | 91                |      | 70-130                 |
| Toluene-d8            | 100              |      | 101               |      | 70-130                 |
| 4-Bromofluorobenzene  | 91               |      | 96                |      | 70-130                 |
| Dibromofluoromethane  | 93               |      | 103               |      | 70-130                 |



# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,08 Batch: WG1109638-3 WG1109638-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                          | 102              |      | 104               |      | 70-130              | 2   |      | 30            |
| 1,1-Dichloroethane                                                                                          | 102              |      | 104               |      | 70-130              | 2   |      | 30            |
| Chloroform                                                                                                  | 91               |      | 103               |      | 70-130              | 12  |      | 30            |
| Carbon tetrachloride                                                                                        | 101              |      | 112               |      | 70-130              | 10  |      | 30            |
| 1,2-Dichloropropane                                                                                         | 98               |      | 97                |      | 70-130              | 1   |      | 30            |
| Dibromochloromethane                                                                                        | 99               |      | 103               |      | 70-130              | 4   |      | 30            |
| 1,1,2-Trichloroethane                                                                                       | 101              |      | 104               |      | 70-130              | 3   |      | 30            |
| Tetrachloroethene                                                                                           | 117              |      | 118               |      | 70-130              | 1   |      | 30            |
| Chlorobenzene                                                                                               | 108              |      | 108               |      | 70-130              | 0   |      | 30            |
| Trichlorofluoromethane                                                                                      | 96               |      | 97                |      | 70-139              | 1   |      | 30            |
| 1,2-Dichloroethane                                                                                          | 89               |      | 93                |      | 70-130              | 4   |      | 30            |
| 1,1,1-Trichloroethane                                                                                       | 95               |      | 106               |      | 70-130              | 11  |      | 30            |
| Bromodichloromethane                                                                                        | 95               |      | 97                |      | 70-130              | 2   |      | 30            |
| trans-1,3-Dichloropropene                                                                                   | 101              |      | 106               |      | 70-130              | 5   |      | 30            |
| cis-1,3-Dichloropropene                                                                                     | 100              |      | 102               |      | 70-130              | 2   |      | 30            |
| 1,1-Dichloropropene                                                                                         | 97               |      | 106               |      | 70-130              | 9   |      | 30            |
| Bromoform                                                                                                   | 106              |      | 113               |      | 70-130              | 6   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                   | 96               |      | 101               |      | 70-130              | 5   |      | 30            |
| Benzene                                                                                                     | 94               |      | 97                |      | 70-130              | 3   |      | 30            |
| Toluene                                                                                                     | 96               |      | 98                |      | 70-130              | 2   |      | 30            |
| Ethylbenzene                                                                                                | 103              |      | 103               |      | 70-130              | 0   |      | 30            |
| Chloromethane                                                                                               | 93               |      | 93                |      | 52-130              | 0   |      | 30            |
| Bromomethane                                                                                                | 104              |      | 103               |      | 57-147              | 1   |      | 30            |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814438

Report Date: 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,08 Batch: WG1109638-3 WG1109638-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                              | 100              |      | 103               |      | 67-130              | 3   |      | 30            |
| Chloroethane                                                                                                | 86               |      | 85                |      | 50-151              | 1   |      | 30            |
| 1,1-Dichloroethene                                                                                          | 107              |      | 107               |      | 65-135              | 0   |      | 30            |
| trans-1,2-Dichloroethene                                                                                    | 108              |      | 109               |      | 70-130              | 1   |      | 30            |
| Trichloroethene                                                                                             | 105              |      | 102               |      | 70-130              | 3   |      | 30            |
| 1,2-Dichlorobenzene                                                                                         | 111              |      | 113               |      | 70-130              | 2   |      | 30            |
| 1,3-Dichlorobenzene                                                                                         | 110              |      | 113               |      | 70-130              | 3   |      | 30            |
| 1,4-Dichlorobenzene                                                                                         | 111              |      | 111               |      | 70-130              | 0   |      | 30            |
| Methyl tert butyl ether                                                                                     | 94               |      | 96                |      | 66-130              | 2   |      | 30            |
| p/m-Xylene                                                                                                  | 107              |      | 106               |      | 70-130              | 1   |      | 30            |
| o-Xylene                                                                                                    | 103              |      | 102               |      | 70-130              | 1   |      | 30            |
| cis-1,2-Dichloroethene                                                                                      | 104              |      | 111               |      | 70-130              | 7   |      | 30            |
| Dibromomethane                                                                                              | 99               |      | 99                |      | 70-130              | 0   |      | 30            |
| Styrene                                                                                                     | 102              |      | 102               |      | 70-130              | 0   |      | 30            |
| Dichlorodifluoromethane                                                                                     | 89               |      | 90                |      | 30-146              | 1   |      | 30            |
| Acetone                                                                                                     | 172              | Q    | 173               | Q    | 54-140              | 1   |      | 30            |
| Carbon disulfide                                                                                            | 98               |      | 98                |      | 59-130              | 0   |      | 30            |
| 2-Butanone                                                                                                  | 109              |      | 123               |      | 70-130              | 12  |      | 30            |
| Vinyl acetate                                                                                               | 84               |      | 85                |      | 70-130              | 1   |      | 30            |
| 4-Methyl-2-pentanone                                                                                        | 81               |      | 83                |      | 70-130              | 2   |      | 30            |
| 1,2,3-Trichloropropane                                                                                      | 97               |      | 102               |      | 68-130              | 5   |      | 30            |
| 2-Hexanone                                                                                                  | 95               |      | 94                |      | 70-130              | 1   |      | 30            |
| Bromochloromethane                                                                                          | 108              |      | 120               |      | 70-130              | 11  |      | 30            |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814438

Report Date: 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,08 Batch: WG1109638-3 WG1109638-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                         | 95               |      | 102               |      | 70-130              | 7   |      | 30            |
| 1,2-Dibromoethane                                                                                           | 110              |      | 111               |      | 70-130              | 1   |      | 30            |
| 1,3-Dichloropropane                                                                                         | 103              |      | 103               |      | 69-130              | 0   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                                   | 108              |      | 110               |      | 70-130              | 2   |      | 30            |
| Bromobenzene                                                                                                | 111              |      | 119               |      | 70-130              | 7   |      | 30            |
| n-Butylbenzene                                                                                              | 104              |      | 103               |      | 70-130              | 1   |      | 30            |
| sec-Butylbenzene                                                                                            | 100              |      | 101               |      | 70-130              | 1   |      | 30            |
| tert-Butylbenzene                                                                                           | 106              |      | 108               |      | 70-130              | 2   |      | 30            |
| o-Chlorotoluene                                                                                             | 99               |      | 104               |      | 70-130              | 5   |      | 30            |
| p-Chlorotoluene                                                                                             | 101              |      | 106               |      | 70-130              | 5   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                                 | 93               |      | 100               |      | 68-130              | 7   |      | 30            |
| Hexachlorobutadiene                                                                                         | 113              |      | 126               |      | 67-130              | 11  |      | 30            |
| Isopropylbenzene                                                                                            | 103              |      | 108               |      | 70-130              | 5   |      | 30            |
| p-Isopropyltoluene                                                                                          | 106              |      | 107               |      | 70-130              | 1   |      | 30            |
| Naphthalene                                                                                                 | 95               |      | 106               |      | 70-130              | 11  |      | 30            |
| Acrylonitrile                                                                                               | 92               |      | 93                |      | 70-130              | 1   |      | 30            |
| n-Propylbenzene                                                                                             | 102              |      | 107               |      | 70-130              | 5   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                      | 114              |      | 128               |      | 70-130              | 12  |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                      | 113              |      | 124               |      | 70-130              | 9   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                      | 105              |      | 110               |      | 70-130              | 5   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                      | 103              |      | 106               |      | 70-130              | 3   |      | 30            |
| 1,4-Dioxane                                                                                                 | 89               |      | 91                |      | 65-136              | 2   |      | 30            |
| p-Diethylbenzene                                                                                            | 98               |      | 96                |      | 70-130              | 2   |      | 30            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,08 Batch: WG1109638-3 WG1109638-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene                                                                                              | 94               |      | 99                |      | 70-130              | 5   |      | 30            |
| 1,2,4,5-Tetramethylbenzene                                                                                  | 95               |      | 96                |      | 70-130              | 1   |      | 30            |
| Ethyl ether                                                                                                 | 99               |      | 100               |      | 67-130              | 1   |      | 30            |
| trans-1,4-Dichloro-2-butene                                                                                 | 87               |      | 85                |      | 70-130              | 2   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 89               |      | 91                |      | 70-130                 |
| Toluene-d8            | 100              |      | 101               |      | 70-130                 |
| 4-Bromofluorobenzene  | 91               |      | 96                |      | 70-130                 |
| Dibromofluoromethane  | 93               |      | 103               |      | 70-130                 |

# SEMIVOLATILES

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-01  
 Client ID: EB-06\_0-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 07:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/26/18 01:44  
 Analyst: SZ  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 04:21

| 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                                     | 310    |           | 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 | 220 | 32. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 200 | 19. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 190 | 27. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 540 | 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 | 36. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 190 | 64. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-01**Date Collected:** 04/24/18 07:45**Client ID:** EB-06\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | 140    |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | 140    | J         | ug/kg | 150 | 46. | 1               |
| Benzo(b)fluoranthene                             | 180    |           | ug/kg | 110 | 32. | 1               |
| Benzo(k)fluoranthene                             | 45     | J         | ug/kg | 110 | 30. | 1               |
| Chrysene                                         | 120    |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 29. | 1               |
| Anthracene                                       | 41     | J         | ug/kg | 110 | 36. | 1               |
| Benzo(ghi)perylene                               | 90     | J         | ug/kg | 150 | 22. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 190 | 18. | 1               |
| Phenanthrene                                     | 180    |           | ug/kg | 110 | 23. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 22. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 95     | J         | ug/kg | 150 | 26. | 1               |
| Pyrene                                           | 270    |           | ug/kg | 110 | 19. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 430 | 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 | 78. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 190 | 18. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 23. | 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 | 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 | 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 | 490 | 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:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-01**Date Collected:** 04/24/18 07:45**Client ID:** EB-06\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 610 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 190 | 57. | 1               |
| Carbazole                                        | 21     | J         | ug/kg | 190 | 18. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 81         |           | 25-120              |
| Phenol-d6            | 82         |           | 10-120              |
| Nitrobenzene-d5      | 82         |           | 23-120              |
| 2-Fluorobiphenyl     | 88         |           | 30-120              |
| 2,4,6-Tribromophenol | 108        |           | 10-136              |
| 4-Terphenyl-d14      | 99         |           | 18-120              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-02  
 Client ID: EB-06\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 08:35  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 10:37  
 Analyst: ALS  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 03:45

| 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 | 210 | 24. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 120 | 23. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 180 | 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 | 35. | 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 | 35. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 120 | 24. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 210 | 22. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 210 | 31. | 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 | 33. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 180 | 27. | 1               |
| Naphthalene                                      | 1000   |           | ug/kg | 210 | 25. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 180 | 30. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 160 | 23. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 210 | 32. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 210 | 71. | 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:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-02**Date Collected:** 04/24/18 08:35**Client ID:** EB-06\_13-15**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 43. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 120 | 23. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 160 | 50. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 120 | 35. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 120 | 33. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 120 | 21. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 160 | 32. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 120 | 40. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 160 | 24. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 210 | 20. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 120 | 25. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 120 | 24. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 160 | 29. | 1               |
| Pyrene                                           | ND     |           | 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 | 85. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 210 | 20. | 1               |
| 2-Methylnaphthalene                              | 800    |           | 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 | 180 | 33. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 210 | 68. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 440 | 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 | 45. | 1               |
| Phenol                                           | ND     |           | ug/kg | 210 | 31. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 210 | 32. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 300 | 32. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-02**Date Collected:** 04/24/18 08:35**Client ID:** EB-06\_13-15**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                                        | ND     |           | ug/kg | 210 | 20. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 83         |           | 25-120              |
| Phenol-d6            | 77         |           | 10-120              |
| Nitrobenzene-d5      | 89         |           | 23-120              |
| 2-Fluorobiphenyl     | 86         |           | 30-120              |
| 2,4,6-Tribromophenol | 98         |           | 10-136              |
| 4-Terphenyl-d14      | 90         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-03  
 Client ID: EB-06\_22-24  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 08:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 19:57  
 Analyst: SZ  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 04:21

| 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 | 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                                     | ND     |           | 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                                      | ND     |           | 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                              | ND     |           | ug/kg | 180 | 35. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 62. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-03**Date Collected:** 04/24/18 08:45**Client ID:** EB-06\_22-24**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | ND     |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 150 | 45. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 110 | 31. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 29. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 28. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 36. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 150 | 22. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 18. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 21. | 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 | 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                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | 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:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-03**Date Collected:** 04/24/18 08:45**Client ID:** EB-06\_22-24**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                                        | ND     |           | ug/kg | 180 | 18. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 92         |           | 25-120              |
| Phenol-d6            | 95         |           | 10-120              |
| Nitrobenzene-d5      | 96         |           | 23-120              |
| 2-Fluorobiphenyl     | 100        |           | 30-120              |
| 2,4,6-Tribromophenol | 111        |           | 10-136              |
| 4-Terphenyl-d14      | 103        |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-04

Date Collected: 04/24/18 10:10

Client ID: EB-01\_0-2

Date Received: 04/24/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 04/25/18 04:21

Analytical Date: 04/26/18 04:23

Analyst: SZ

Percent Solids: 87%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | 190    |           | 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 | 50. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 190 | 38. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 190 | 32. | 1               |
| Fluoranthene                                     | 5000   |           | 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 | 200 | 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                                      | 150    | 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 | 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 | 64. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-04**Date Collected:** 04/24/18 10:10**Client ID:** EB-01\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | 3200   |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | 3200   |           | ug/kg | 150 | 46. | 1               |
| Benzo(b)fluoranthene                             | 3800   |           | ug/kg | 110 | 32. | 1               |
| Benzo(k)fluoranthene                             | 1600   |           | ug/kg | 110 | 30. | 1               |
| Chrysene                                         | 3000   |           | ug/kg | 110 | 20. | 1               |
| Acenaphthylene                                   | 1800   |           | ug/kg | 150 | 29. | 1               |
| Anthracene                                       | 1100   |           | ug/kg | 110 | 37. | 1               |
| Benzo(ghi)perylene                               | 2300   |           | ug/kg | 150 | 22. | 1               |
| Fluorene                                         | 270    |           | ug/kg | 190 | 18. | 1               |
| Phenanthrene                                     | 3100   |           | ug/kg | 110 | 23. | 1               |
| Dibenzo(a,h)anthracene                           | 530    |           | ug/kg | 110 | 22. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 2500   |           | ug/kg | 150 | 26. | 1               |
| Pyrene                                           | 4500   |           | ug/kg | 110 | 19. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 430 | 44. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 190 | 34. | 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                                     | 140    | J         | ug/kg | 190 | 18. | 1               |
| 2-Methylnaphthalene                              | 110    | 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 | 30. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 190 | 63. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 410 | 71. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 78. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 910 | 88. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 490 | 91. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 42. | 1               |
| Phenol                                           | ND     |           | ug/kg | 190 | 29. | 1               |
| 2-Methylphenol                                   | 38     | J         | ug/kg | 190 | 29. | 1               |
| 3-Methylphenol/4-Methylphenol                    | 170    | J         | ug/kg | 270 | 30. | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-04**Date Collected:** 04/24/18 10:10**Client ID:** EB-01\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                                        | 470    |           | ug/kg | 190 | 18. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 82         |           | 25-120              |
| Phenol-d6            | 91         |           | 10-120              |
| Nitrobenzene-d5      | 93         |           | 23-120              |
| 2-Fluorobiphenyl     | 99         |           | 30-120              |
| 2,4,6-Tribromophenol | 103        |           | 10-136              |
| 4-Terphenyl-d14      | 89         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-05  
 Client ID: EB-01\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 10:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 20:24  
 Analyst: SZ  
 Percent Solids: 77%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 04:21

| 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 | 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 | 21. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 210 | 38. | 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 | 56. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 210 | 42. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 210 | 36. | 1               |
| Fluoranthene                                     | ND     |           | 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 | 36. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 220 | 21. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 210 | 31. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 600 | 190 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 170 | 34. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 190 | 27. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 210 | 25. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 190 | 31. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 170 | 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 | 53. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 210 | 40. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 210 | 71. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-05**Date Collected:** 04/24/18 10:45**Client ID:** EB-01\_14-16**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | ND     |           | ug/kg | 120  | 24. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 170  | 51. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 120  | 35. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 120  | 33. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 120  | 22. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 170  | 32. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 120  | 41. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 170  | 24. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 210  | 20. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 120  | 25. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 120  | 24. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 170  | 29. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 120  | 21. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 480  | 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                                     | ND     |           | 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  | 40. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 210  | 31. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 210  | 25. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 190  | 34. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 210  | 69. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 450  | 79. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 290  | 85. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 1000 | 97. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 540  | 100 | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 170  | 46. | 1               |
| Phenol                                           | ND     |           | ug/kg | 210  | 32. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 210  | 32. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 300  | 33. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-05**Date Collected:** 04/24/18 10:45**Client ID:** EB-01\_14-16**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 680 | 210 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 210 | 64. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 210 | 20. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 105        |           | 25-120              |
| Phenol-d6            | 108        |           | 10-120              |
| Nitrobenzene-d5      | 103        |           | 23-120              |
| 2-Fluorobiphenyl     | 103        |           | 30-120              |
| 2,4,6-Tribromophenol | 121        |           | 10-136              |
| 4-Terphenyl-d14      | 98         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-06  
 Client ID: EB-08\_0-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 11:30  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/26/18 07:56  
 Analyst: RC  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 04:21

| 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 | 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 | 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 | 38. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 190 | 32. | 1               |
| Fluoranthene                                     | 220    |           | 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 | 200 | 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 | 24. | 1               |
| Naphthalene                                      | ND     |           | 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 | 65. | 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 | 64. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-06**Date Collected:** 04/24/18 11:30**Client ID:** EB-08\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | 120    |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | 120    | J         | ug/kg | 150 | 46. | 1               |
| Benzo(b)fluoranthene                             | 160    |           | ug/kg | 110 | 32. | 1               |
| Benzo(k)fluoranthene                             | 43     | J         | ug/kg | 110 | 30. | 1               |
| Chrysene                                         | 120    |           | ug/kg | 110 | 20. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 29. | 1               |
| Anthracene                                       | 38     | J         | ug/kg | 110 | 37. | 1               |
| Benzo(ghi)perylene                               | 73     | J         | ug/kg | 150 | 22. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 190 | 18. | 1               |
| Phenanthrene                                     | 180    |           | ug/kg | 110 | 23. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 22. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 120    | J         | ug/kg | 150 | 26. | 1               |
| Pyrene                                           | 200    |           | ug/kg | 110 | 19. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 430 | 44. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 190 | 34. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 190 | 36. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 190 | 36. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 190 | 78. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 190 | 18. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 230 | 23. | 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 | 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 | 30. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 190 | 62. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 410 | 71. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 77. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 910 | 88. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 490 | 91. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 42. | 1               |
| Phenol                                           | ND     |           | ug/kg | 190 | 28. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 190 | 29. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 270 | 30. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-06**Date Collected:** 04/24/18 11:30**Client ID:** EB-08\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 610 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 190 | 58. | 1               |
| Carbazole                                        | 22     | J         | ug/kg | 190 | 18. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 91         |           | 25-120              |
| Phenol-d6            | 105        |           | 10-120              |
| Nitrobenzene-d5      | 87         |           | 23-120              |
| 2-Fluorobiphenyl     | 82         |           | 30-120              |
| 2,4,6-Tribromophenol | 109        |           | 10-136              |
| 4-Terphenyl-d14      | 91         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-07  
 Client ID: EB-08\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 11:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 20:51  
 Analyst: SZ  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 04:21

| 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 | 210 | 24. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 130 | 24. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 190 | 29. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 210 | 38. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 210 | 36. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 210 | 37. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 210 | 56. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 210 | 42. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 210 | 36. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 130 | 24. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 210 | 23. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 210 | 32. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 250 | 36. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 230 | 21. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 210 | 31. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 600 | 190 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 170 | 34. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 190 | 27. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 210 | 26. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 190 | 31. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 170 | 24. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 210 | 33. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 210 | 73. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 210 | 53. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 210 | 40. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 210 | 72. | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-07**Date Collected:** 04/24/18 11:45**Client ID:** EB-08\_13-15**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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  | 20. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 210  | 44. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 130  | 24. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 170  | 52. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 130  | 36. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 130  | 34. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 130  | 22. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 170  | 33. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 130  | 41. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 170  | 25. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 210  | 20. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 130  | 26. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 130  | 24. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 170  | 29. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 130  | 21. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 480  | 49. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 210  | 38. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 210  | 41. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 210  | 40. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 210  | 87. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 210  | 20. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 250  | 26. | 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 | 130  | 40. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 210  | 31. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 210  | 25. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 190  | 34. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 210  | 70. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 460  | 79. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 300  | 86. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 1000 | 98. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 550  | 100 | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 170  | 46. | 1               |
| Phenol                                           | ND     |           | ug/kg | 210  | 32. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 210  | 33. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 300  | 33. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-07**Date Collected:** 04/24/18 11:45**Client ID:** EB-08\_13-15**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 680 | 210 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 210 | 65. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 210 | 20. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 91         |           | 25-120              |
| Phenol-d6            | 97         |           | 10-120              |
| Nitrobenzene-d5      | 97         |           | 23-120              |
| 2-Fluorobiphenyl     | 98         |           | 30-120              |
| 2,4,6-Tribromophenol | 105        |           | 10-136              |
| 4-Terphenyl-d14      | 103        |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-08  
 Client ID: DUP01\_042418  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 12:00  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/25/18 21:18  
 Analyst: SZ  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 04:21

| 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 | 210 | 24. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 130 | 24. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 190 | 28. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 210 | 38. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 210 | 36. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 210 | 37. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 210 | 56. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 210 | 42. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 210 | 36. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 130 | 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 | 36. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 230 | 21. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 210 | 31. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 600 | 190 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 170 | 34. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 190 | 27. | 1               |
| Naphthalene                                      | 5200   |           | ug/kg | 210 | 26. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 190 | 31. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 170 | 24. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 210 | 32. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 210 | 73. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 210 | 53. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 210 | 40. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 210 | 72. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-08**Date Collected:** 04/24/18 12:00**Client ID:** DUP01\_042418**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | ND     |           | ug/kg | 130  | 24. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 170  | 51. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 130  | 35. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 130  | 34. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 130  | 22. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 170  | 32. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 130  | 41. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 170  | 25. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 210  | 20. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 130  | 26. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 130  | 24. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 170  | 29. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 130  | 21. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 480  | 49. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 210  | 38. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 210  | 40. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 210  | 40. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 210  | 87. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 210  | 20. | 1               |
| 2-Methylnaphthalene                              | 4400   |           | 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 | 130  | 40. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 210  | 31. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 210  | 25. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 190  | 34. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 210  | 69. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 450  | 79. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 290  | 86. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 1000 | 98. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 550  | 100 | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 170  | 46. | 1               |
| Phenol                                           | ND     |           | ug/kg | 210  | 32. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 210  | 32. | 1               |
| 3-Methylphenol/4-Methylphenol                    | 72     | J         | ug/kg | 300  | 33. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-08**Date Collected:** 04/24/18 12:00**Client ID:** DUP01\_042418**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 680 | 210 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 210 | 64. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 210 | 20. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 92         |           | 25-120              |
| Phenol-d6            | 88         |           | 10-120              |
| Nitrobenzene-d5      | 101        |           | 23-120              |
| 2-Fluorobiphenyl     | 102        |           | 30-120              |
| 2,4,6-Tribromophenol | 104        |           | 10-136              |
| 4-Terphenyl-d14      | 104        |           | 18-120              |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/24/18 20:47  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:21

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1109168-1 |        |           |       |     |     |
| Acenaphthene                                                                             | ND     |           | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene                                                                   | ND     |           | ug/kg | 160 | 19. |
| Hexachlorobenzene                                                                        | ND     |           | ug/kg | 98  | 18. |
| Bis(2-chloroethyl)ether                                                                  | ND     |           | ug/kg | 150 | 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 | 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 | 98  | 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 | 26. |
| 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: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/24/18 20:47  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:21

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1109168-1 |        |           |       |     |     |
| Dimethyl phthalate                                                                       | ND     |           | ug/kg | 160 | 34. |
| Benzo(a)anthracene                                                                       | ND     |           | ug/kg | 98  | 18. |
| Benzo(a)pyrene                                                                           | ND     |           | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene                                                                     | ND     |           | ug/kg | 98  | 28. |
| Benzo(k)fluoranthene                                                                     | ND     |           | ug/kg | 98  | 26. |
| Chrysene                                                                                 | ND     |           | ug/kg | 98  | 17. |
| Acenaphthylene                                                                           | ND     |           | ug/kg | 130 | 25. |
| Anthracene                                                                               | ND     |           | ug/kg | 98  | 32. |
| Benzo(ghi)perylene                                                                       | ND     |           | ug/kg | 130 | 19. |
| Fluorene                                                                                 | ND     |           | ug/kg | 160 | 16. |
| Phenanthrene                                                                             | ND     |           | ug/kg | 98  | 20. |
| Dibenzo(a,h)anthracene                                                                   | ND     |           | ug/kg | 98  | 19. |
| Indeno(1,2,3-cd)pyrene                                                                   | ND     |           | ug/kg | 130 | 23. |
| Pyrene                                                                                   | ND     |           | ug/kg | 98  | 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 | 98  | 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 | 350 | 62. |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/24/18 20:47  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 08:21

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1109168-1 |        |           |       |     |     |
| 4-Nitrophenol                                                                            | ND     |           | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol                                                                        | ND     |           | ug/kg | 790 | 76. |
| 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 | 31. |
| Benzoic Acid                                                                             | ND     |           | ug/kg | 530 | 170 |
| Benzyl Alcohol                                                                           | ND     |           | ug/kg | 160 | 50. |
| Carbazole                                                                                | ND     |           | ug/kg | 160 | 16. |

#### Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 70        |           | 25-120                 |
| Phenol-d6            | 77        |           | 10-120                 |
| Nitrobenzene-d5      | 73        |           | 23-120                 |
| 2-Fluorobiphenyl     | 78        |           | 30-120                 |
| 2,4,6-Tribromophenol | 92        |           | 10-136                 |
| 4-Terphenyl-d14      | 100       |           | 18-120                 |



# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1109168-2 WG1109168-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                | 85               |      | 76                |      | 31-137              | 11  |      | 50            |
| 1,2,4-Trichlorobenzene                                                                                      | 82               |      | 73                |      | 38-107              | 12  |      | 50            |
| Hexachlorobenzene                                                                                           | 88               |      | 80                |      | 40-140              | 10  |      | 50            |
| Bis(2-chloroethyl)ether                                                                                     | 81               |      | 72                |      | 40-140              | 12  |      | 50            |
| 2-Chloronaphthalene                                                                                         | 84               |      | 76                |      | 40-140              | 10  |      | 50            |
| 1,2-Dichlorobenzene                                                                                         | 79               |      | 71                |      | 40-140              | 11  |      | 50            |
| 1,3-Dichlorobenzene                                                                                         | 78               |      | 69                |      | 40-140              | 12  |      | 50            |
| 1,4-Dichlorobenzene                                                                                         | 79               |      | 70                |      | 28-104              | 12  |      | 50            |
| 3,3'-Dichlorobenzidine                                                                                      | 60               |      | 48                |      | 40-140              | 22  |      | 50            |
| 2,4-Dinitrotoluene                                                                                          | 111              |      | 99                |      | 40-132              | 11  |      | 50            |
| 2,6-Dinitrotoluene                                                                                          | 104              |      | 96                |      | 40-140              | 8   |      | 50            |
| Fluoranthene                                                                                                | 100              |      | 88                |      | 40-140              | 13  |      | 50            |
| 4-Chlorophenyl phenyl ether                                                                                 | 88               |      | 78                |      | 40-140              | 12  |      | 50            |
| 4-Bromophenyl phenyl ether                                                                                  | 93               |      | 83                |      | 40-140              | 11  |      | 50            |
| Bis(2-chloroisopropyl)ether                                                                                 | 83               |      | 75                |      | 40-140              | 10  |      | 50            |
| Bis(2-chloroethoxy)methane                                                                                  | 86               |      | 77                |      | 40-117              | 11  |      | 50            |
| Hexachlorobutadiene                                                                                         | 82               |      | 73                |      | 40-140              | 12  |      | 50            |
| Hexachlorocyclopentadiene                                                                                   | 76               |      | 67                |      | 40-140              | 13  |      | 50            |
| Hexachloroethane                                                                                            | 81               |      | 72                |      | 40-140              | 12  |      | 50            |
| Isophorone                                                                                                  | 89               |      | 81                |      | 40-140              | 9   |      | 50            |
| Naphthalene                                                                                                 | 82               |      | 73                |      | 40-140              | 12  |      | 50            |
| Nitrobenzene                                                                                                | 89               |      | 80                |      | 40-140              | 11  |      | 50            |
| NDPA/DPA                                                                                                    | 92               |      | 82                |      | 36-157              | 11  |      | 50            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1109168-2 WG1109168-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine                                                                                   | 89               |      | 80                |      | 32-121              | 11  |      | 50            |
| Bis(2-ethylhexyl)phthalate                                                                                  | 107              |      | 93                |      | 40-140              | 14  |      | 50            |
| Butyl benzyl phthalate                                                                                      | 113              |      | 100               |      | 40-140              | 12  |      | 50            |
| Di-n-butylphthalate                                                                                         | 112              |      | 97                |      | 40-140              | 14  |      | 50            |
| Di-n-octylphthalate                                                                                         | 113              |      | 97                |      | 40-140              | 15  |      | 50            |
| Diethyl phthalate                                                                                           | 93               |      | 82                |      | 40-140              | 13  |      | 50            |
| Dimethyl phthalate                                                                                          | 92               |      | 84                |      | 40-140              | 9   |      | 50            |
| Benzo(a)anthracene                                                                                          | 94               |      | 82                |      | 40-140              | 14  |      | 50            |
| Benzo(a)pyrene                                                                                              | 105              |      | 89                |      | 40-140              | 16  |      | 50            |
| Benzo(b)fluoranthene                                                                                        | 103              |      | 85                |      | 40-140              | 19  |      | 50            |
| Benzo(k)fluoranthene                                                                                        | 95               |      | 84                |      | 40-140              | 12  |      | 50            |
| Chrysene                                                                                                    | 90               |      | 78                |      | 40-140              | 14  |      | 50            |
| Acenaphthylene                                                                                              | 92               |      | 83                |      | 40-140              | 10  |      | 50            |
| Anthracene                                                                                                  | 94               |      | 82                |      | 40-140              | 14  |      | 50            |
| Benzo(ghi)perylene                                                                                          | 97               |      | 83                |      | 40-140              | 16  |      | 50            |
| Fluorene                                                                                                    | 89               |      | 80                |      | 40-140              | 11  |      | 50            |
| Phenanthrene                                                                                                | 89               |      | 78                |      | 40-140              | 13  |      | 50            |
| Dibenzo(a,h)anthracene                                                                                      | 97               |      | 83                |      | 40-140              | 16  |      | 50            |
| Indeno(1,2,3-cd)pyrene                                                                                      | 101              |      | 88                |      | 40-140              | 14  |      | 50            |
| Pyrene                                                                                                      | 96               |      | 84                |      | 35-142              | 13  |      | 50            |
| Biphenyl                                                                                                    | 88               |      | 80                |      | 54-104              | 10  |      | 50            |
| 4-Chloroaniline                                                                                             | 60               |      | 66                |      | 40-140              | 10  |      | 50            |
| 2-Nitroaniline                                                                                              | 107              |      | 98                |      | 47-134              | 9   |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1109168-2 WG1109168-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline                                                                                              | 63               |      | 55                |      | 26-129              | 14  |      | 50            |
| 4-Nitroaniline                                                                                              | 97               |      | 85                |      | 41-125              | 13  |      | 50            |
| Dibenzofuran                                                                                                | 86               |      | 77                |      | 40-140              | 11  |      | 50            |
| 2-Methylnaphthalene                                                                                         | 86               |      | 77                |      | 40-140              | 11  |      | 50            |
| 1,2,4,5-Tetrachlorobenzene                                                                                  | 86               |      | 79                |      | 40-117              | 8   |      | 50            |
| Acetophenone                                                                                                | 91               |      | 81                |      | 14-144              | 12  |      | 50            |
| 2,4,6-Trichlorophenol                                                                                       | 104              |      | 94                |      | 30-130              | 10  |      | 50            |
| p-Chloro-m-cresol                                                                                           | 102              |      | 92                |      | 26-103              | 10  |      | 50            |
| 2-Chlorophenol                                                                                              | 91               |      | 80                |      | 25-102              | 13  |      | 50            |
| 2,4-Dichlorophenol                                                                                          | 96               |      | 87                |      | 30-130              | 10  |      | 50            |
| 2,4-Dimethylphenol                                                                                          | 95               |      | 85                |      | 30-130              | 11  |      | 50            |
| 2-Nitrophenol                                                                                               | 103              |      | 94                |      | 30-130              | 9   |      | 50            |
| 4-Nitrophenol                                                                                               | 110              |      | 96                |      | 11-114              | 14  |      | 50            |
| 2,4-Dinitrophenol                                                                                           | 85               |      | 78                |      | 4-130               | 9   |      | 50            |
| 4,6-Dinitro-o-cresol                                                                                        | 108              |      | 95                |      | 10-130              | 13  |      | 50            |
| Pentachlorophenol                                                                                           | 94               |      | 82                |      | 17-109              | 14  |      | 50            |
| Phenol                                                                                                      | 83               |      | 74                |      | 26-90               | 11  |      | 50            |
| 2-Methylphenol                                                                                              | 92               |      | 83                |      | 30-130.             | 10  |      | 50            |
| 3-Methylphenol/4-Methylphenol                                                                               | 94               |      | 85                |      | 30-130              | 10  |      | 50            |
| 2,4,5-Trichlorophenol                                                                                       | 104              |      | 95                |      | 30-130              | 9   |      | 50            |
| Benzoic Acid                                                                                                | 26               |      | 28                |      | 10-110              | 7   |      | 50            |
| Benzyl Alcohol                                                                                              | 95               |      | 86                |      | 40-140              | 10  |      | 50            |
| Carbazole                                                                                                   | 97               |      | 85                |      | 54-128              | 13  |      | 50            |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1109168-2 WG1109168-3

| <b>Surrogate</b>     | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 2-Fluorophenol       | 93                       |             | 82                        |             | 25-120                         |
| Phenol-d6            | 96                       |             | 85                        |             | 10-120                         |
| Nitrobenzene-d5      | 95                       |             | 84                        |             | 23-120                         |
| 2-Fluorobiphenyl     | 90                       |             | 82                        |             | 30-120                         |
| 2,4,6-Tribromophenol | 108                      |             | 95                        |             | 10-136                         |
| 4-Terphenyl-d14      | 101                      |             | 89                        |             | 18-120                         |

# PCBS

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-01**Date Collected:** 04/24/18 07:45**Client ID:** EB-06\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/25/18 09:36**Analytical Date:** 04/26/18 18:15**Cleanup Method:** EPA 3665A**Analyst:** JW**Cleanup Date:** 04/25/18**Percent Solids:** 87%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 36.2 | 4.10 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 36.2 | 5.51 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 36.2 | 3.56 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 36.2 | 4.43 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 36.2 | 4.06 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 36.2 | 2.95 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 36.2 | 3.78 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 36.2 | 2.97 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 36.2 | 2.56 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 36.2 | 2.56 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 91         |           | 30-150              | A      |
| Decachlorobiphenyl           | 93         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 97         |           | 30-150              | B      |
| Decachlorobiphenyl           | 91         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-02  
 Client ID: EB-06\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 08:35  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 04/25/18 10:07  
 Analyst: WR  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 03:52  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/25/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 40.6 | 4.60 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 40.6 | 6.18 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 40.6 | 3.99 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 40.6 | 4.97 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 40.6 | 4.55 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 40.6 | 3.31 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 40.6 | 4.24 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 40.6 | 3.34 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 40.6 | 2.87 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 40.6 | 2.87 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 94         |           | 30-150              | A      |
| Decachlorobiphenyl           | 90         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 92         |           | 30-150              | B      |
| Decachlorobiphenyl           | 104        |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-03**Date Collected:** 04/24/18 08:45**Client ID:** EB-06\_22-24**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/25/18 09:36**Analytical Date:** 04/26/18 18:28**Cleanup Method:** EPA 3665A**Analyst:** JW**Cleanup Date:** 04/25/18**Percent Solids:** 90%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 35.6 | 4.04 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 35.6 | 5.42 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 35.6 | 3.50 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 35.6 | 4.36 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 35.6 | 4.00 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 35.6 | 2.91 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 35.6 | 3.72 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 35.6 | 2.93 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 35.6 | 2.52 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 35.6 | 2.52 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 99         |           | 30-150              | A      |
| Decachlorobiphenyl           | 90         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 99         |           | 30-150              | B      |
| Decachlorobiphenyl           | 87         |           | 30-150              | B      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-04**Date Collected:** 04/24/18 10:10**Client ID:** EB-01\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/25/18 09:36**Analytical Date:** 04/26/18 18:41**Cleanup Method:** EPA 3665A**Analyst:** JW**Cleanup Date:** 04/25/18**Percent Solids:** 87%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 37.1 | 4.21 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 37.1 | 5.65 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 37.1 | 3.65 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 37.1 | 4.54 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 37.1 | 4.16 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 37.1 | 3.03 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 37.1 | 3.87 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 37.1 | 3.05 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 37.1 | 2.63 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 37.1 | 2.63 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 86         |           | 30-150              | A      |
| Decachlorobiphenyl           | 83         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | B      |
| Decachlorobiphenyl           | 88         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-05  
 Client ID: EB-01\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 10:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 04/26/18 18:54  
 Analyst: JW  
 Percent Solids: 77%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 09:36  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/25/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 42.3 | 4.80 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 42.3 | 6.44 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 42.3 | 4.16 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 42.3 | 5.18 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 42.3 | 4.75 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 42.3 | 3.45 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 42.3 | 4.42 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 42.3 | 3.48 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 42.3 | 3.00 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 42.3 | 3.00 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 98         |           | 30-150              | A      |
| Decachlorobiphenyl           | 94         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 99         |           | 30-150              | B      |
| Decachlorobiphenyl           | 93         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-06**Date Collected:** 04/24/18 11:30**Client ID:** EB-08\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/25/18 09:36**Analytical Date:** 04/26/18 19:07**Cleanup Method:** EPA 3665A**Analyst:** JW**Cleanup Date:** 04/25/18**Percent Solids:** 87%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 37.8 | 4.29 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 37.8 | 5.76 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 37.8 | 3.72 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 37.8 | 4.63 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 37.8 | 4.24 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 37.8 | 3.09 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 37.8 | 3.95 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 37.8 | 3.11 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 37.8 | 2.68 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 37.8 | 2.68 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 101        |           | 30-150              | A      |
| Decachlorobiphenyl           | 89         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 97         |           | 30-150              | B      |
| Decachlorobiphenyl           | 95         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-07**Date Collected:** 04/24/18 11:45**Client ID:** EB-08\_13-15**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/25/18 09:36**Analytical Date:** 04/26/18 20:12**Cleanup Method:** EPA 3665A**Analyst:** JW**Cleanup Date:** 04/25/18**Percent Solids:** 78%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 40.8 | 4.62 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 40.8 | 6.21 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 40.8 | 4.01 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 40.8 | 4.99 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 40.8 | 4.58 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 40.8 | 3.33 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 40.8 | 4.26 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 40.8 | 3.35 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 40.8 | 2.89 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 40.8 | 2.89 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 88         |           | 30-150              | A      |
| Decachlorobiphenyl           | 80         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 89         |           | 30-150              | B      |
| Decachlorobiphenyl           | 80         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-08  
 Client ID: DUP01\_042418  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 12:00  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 04/26/18 20:25  
 Analyst: JW  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 09:36  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/25/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 40.7 | 4.62 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 40.7 | 6.19 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 40.7 | 4.00 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 40.7 | 4.98 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 40.7 | 4.57 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 40.7 | 3.32 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 40.7 | 4.25 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 40.7 | 3.34 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 40.7 | 2.88 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 40.7 | 2.88 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 87         |           | 30-150              | A      |
| Decachlorobiphenyl           | 89         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 88         |           | 30-150              | B      |
| Decachlorobiphenyl           | 92         |           | 30-150              | B      |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A  
 Analytical Date: 04/25/18 09:26  
 Analyst: WR

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 09:12  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/24/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/24/18

| Parameter                                                                              | Result | Qualifier | Units | RL   | MDL  | Column |
|----------------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG1109187-1 |        |           |       |      |      |        |
| Aroclor 1016                                                                           | ND     |           | ug/kg | 31.4 | 3.57 | A      |
| Aroclor 1221                                                                           | ND     |           | ug/kg | 31.4 | 4.79 | A      |
| Aroclor 1232                                                                           | ND     |           | ug/kg | 31.4 | 3.09 | A      |
| Aroclor 1242                                                                           | ND     |           | ug/kg | 31.4 | 3.85 | A      |
| Aroclor 1248                                                                           | ND     |           | ug/kg | 31.4 | 3.53 | A      |
| Aroclor 1254                                                                           | ND     |           | ug/kg | 31.4 | 2.57 | A      |
| Aroclor 1260                                                                           | ND     |           | ug/kg | 31.4 | 3.28 | A      |
| Aroclor 1262                                                                           | ND     |           | ug/kg | 31.4 | 2.58 | A      |
| Aroclor 1268                                                                           | ND     |           | ug/kg | 31.4 | 2.23 | A      |
| PCBs, Total                                                                            | ND     |           | ug/kg | 31.4 | 2.23 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 98        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 77        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 98        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 88        |           | 30-150                 | B      |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A  
 Analytical Date: 04/26/18 12:41  
 Analyst: WR

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 09:36  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/25/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/25/18

| Parameter                                                                                    | Result | Qualifier | Units | RL   | MDL  | Column |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03-08 Batch: WG1109598-1 |        |           |       |      |      |        |
| Aroclor 1016                                                                                 | ND     |           | ug/kg | 33.0 | 3.74 | A      |
| Aroclor 1221                                                                                 | ND     |           | ug/kg | 33.0 | 5.02 | A      |
| Aroclor 1232                                                                                 | ND     |           | ug/kg | 33.0 | 3.24 | A      |
| Aroclor 1242                                                                                 | ND     |           | ug/kg | 33.0 | 4.03 | A      |
| Aroclor 1248                                                                                 | ND     |           | ug/kg | 33.0 | 3.70 | A      |
| Aroclor 1254                                                                                 | ND     |           | ug/kg | 33.0 | 2.69 | A      |
| Aroclor 1260                                                                                 | ND     |           | ug/kg | 33.0 | 3.44 | A      |
| Aroclor 1262                                                                                 | ND     |           | ug/kg | 33.0 | 2.71 | A      |
| Aroclor 1268                                                                                 | ND     |           | ug/kg | 33.0 | 2.33 | A      |
| PCBs, Total                                                                                  | ND     |           | ug/kg | 33.0 | 2.33 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 103       |           | 30-150                 | A      |
| Decachlorobiphenyl           | 81        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 112       |           | 30-150                 | B      |
| Decachlorobiphenyl           | 74        |           | 30-150                 | B      |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                 | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|-----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG1109187-2 WG1109187-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                              | 76               |      | 81                |      | 40-140              | 6   |      | 50            | A      |
| Aroclor 1260                                                                                              | 69               |      | 76                |      | 40-140              | 10  |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 85               |      | 88                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 66               |      | 75                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 84               |      | 89                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 76               |      | 85                |      | 30-150                 | B      |



# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03-08 Batch: WG1109598-2 WG1109598-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                                    | 104              |      | 111               |      | 40-140              | 7   |      | 50            | A      |
| Aroclor 1260                                                                                                    | 101              |      | 110               |      | 40-140              | 9   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 102              |      | 112               |      | 30-150                 | A      |
| Decachlorobiphenyl           | 81               |      | 90                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 105              |      | 116               |      | 30-150                 | B      |
| Decachlorobiphenyl           | 73               |      | 81                |      | 30-150                 | B      |

# PESTICIDES

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-01  
 Client ID: EB-06\_0-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 07:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/26/18 10:01  
 Analyst: KEG  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 09:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.79  | 0.351 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.747 | 0.334 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.747 | 0.212 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.79  | 0.680 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.896 | 0.402 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.79  | 0.631 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.36  | 1.01  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.747 | 0.306 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.24  | 0.784 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.79  | 0.462 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.12  | 0.560 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.79  | 0.414 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.79  | 0.639 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.36  | 1.44  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.79  | 0.423 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.79  | 0.599 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.747 | 0.356 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.36  | 1.04  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 33.6  | 9.41  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.24  | 0.624 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.24  | 0.592 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.6  | 5.94  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-01**Date Collected:** 04/24/18 07:45**Client ID:** EB-06\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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           | 78         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 84         |           | 30-150              | A      |
| Decachlorobiphenyl           | 83         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-02  
 Client ID: EB-06\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 08:35  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/25/18 12:13  
 Analyst: KEG  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 03:49  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.96  | 0.384 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.816 | 0.365 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.816 | 0.232 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.96  | 0.743 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.979 | 0.439 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.96  | 0.690 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.67  | 1.10  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.816 | 0.335 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.45  | 0.857 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.96  | 0.504 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.22  | 0.612 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.96  | 0.453 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.96  | 0.699 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.67  | 1.58  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.96  | 0.463 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.96  | 0.654 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.816 | 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 | 2.45  | 0.682 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.45  | 0.646 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.9  | 6.49  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-02**Date Collected:** 04/24/18 08:35**Client ID:** EB-06\_13-15**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 110        |           | 30-150              | B      |
| Decachlorobiphenyl           | 117        |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 115        |           | 30-150              | A      |
| Decachlorobiphenyl           | 112        |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-03  
 Client ID: EB-06\_22-24  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 08:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/26/18 10:13  
 Analyst: KEG  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 09:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.66  | 0.325 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.692 | 0.309 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.692 | 0.196 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.66  | 0.630 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.830 | 0.372 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.66  | 0.584 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.11  | 0.934 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.692 | 0.284 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.08  | 0.726 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.66  | 0.428 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.04  | 0.519 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.66  | 0.384 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.66  | 0.592 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.11  | 1.34  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.66  | 0.392 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.66  | 0.555 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.692 | 0.329 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.11  | 0.968 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 31.1  | 8.72  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.08  | 0.578 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.08  | 0.548 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.5  | 5.50  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-03**Date Collected:** 04/24/18 08:45**Client ID:** EB-06\_22-24**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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           | 93         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 90         |           | 30-150              | A      |
| Decachlorobiphenyl           | 91         |           | 30-150              | A      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-04  
 Client ID: EB-01\_0-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 10:10  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/26/18 10:26  
 Analyst: KEG  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 09:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| 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  | 0.691 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.911 | 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                                            | 2.70   | P         | ug/kg | 0.760 | 0.311 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.28  | 0.798 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.82  | 0.469 | 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  | 1.46  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.82  | 0.431 | 1               | A      |
| Endosulfan II                                     | 0.801  | JPI       | 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  | 9.57  | 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:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-04**Date Collected:** 04/24/18 10:10**Client ID:** EB-01\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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              | B      |
| Decachlorobiphenyl           | 63         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 30-150              | A      |
| Decachlorobiphenyl           | 82         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-05  
 Client ID: EB-01\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 10:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/26/18 10:39  
 Analyst: KEG  
 Percent Solids: 77%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 09:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.98  | 0.388 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.824 | 0.368 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.824 | 0.234 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.98  | 0.750 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.989 | 0.444 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.98  | 0.697 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.71  | 1.11  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.824 | 0.338 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.47  | 0.866 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.98  | 0.510 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.24  | 0.618 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.98  | 0.458 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.98  | 0.706 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.71  | 1.59  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.98  | 0.467 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.98  | 0.661 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.824 | 0.392 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.71  | 1.15  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 37.1  | 10.4  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.47  | 0.689 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.47  | 0.653 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 16.1  | 6.55  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-05**Date Collected:** 04/24/18 10:45**Client ID:** EB-01\_14-16**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 81         |           | 30-150              | B      |
| Decachlorobiphenyl           | 72         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 89         |           | 30-150              | A      |
| Decachlorobiphenyl           | 69         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-06  
 Client ID: EB-08\_0-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 11:30  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/26/18 10:51  
 Analyst: KEG  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 09:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.82  | 0.356 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.757 | 0.338 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.757 | 0.215 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.82  | 0.689 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.909 | 0.407 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.82  | 0.640 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.41  | 1.02  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.757 | 0.310 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.27  | 0.795 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.82  | 0.468 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.14  | 0.568 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.82  | 0.420 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.82  | 0.648 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.41  | 1.46  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.82  | 0.429 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.82  | 0.607 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.757 | 0.360 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.41  | 1.06  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 34.1  | 9.54  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.27  | 0.633 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.27  | 0.600 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.8  | 6.02  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-06**Date Collected:** 04/24/18 11:30**Client ID:** EB-08\_0-2**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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           | 65         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 72         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-07  
 Client ID: EB-08\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 11:45  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/27/18 19:24  
 Analyst: KEG  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 09:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.98  | 0.387 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.824 | 0.368 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.824 | 0.234 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.98  | 0.750 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.989 | 0.443 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.98  | 0.696 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.71  | 1.11  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.824 | 0.338 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.47  | 0.865 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.98  | 0.509 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.24  | 0.618 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.98  | 0.457 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.98  | 0.705 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.71  | 1.59  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.98  | 0.467 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.98  | 0.661 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.824 | 0.392 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.71  | 1.15  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 37.1  | 10.4  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.47  | 0.689 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.47  | 0.652 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 16.1  | 6.55  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-07**Date Collected:** 04/24/18 11:45**Client ID:** EB-08\_13-15**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 95         |           | 30-150              | B      |
| Decachlorobiphenyl           | 89         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 76         |           | 30-150              | A      |
| Decachlorobiphenyl           | 81         |           | 30-150              | A      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-08  
 Client ID: DUP01\_042418  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/24/18 12:00  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/26/18 11:17  
 Analyst: KEG  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 04/25/18 09:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.96  | 0.384 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.818 | 0.365 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.818 | 0.232 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.96  | 0.744 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.981 | 0.440 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.96  | 0.691 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.68  | 1.10  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.818 | 0.335 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.45  | 0.858 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.96  | 0.505 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.23  | 0.613 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.96  | 0.454 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.96  | 0.700 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.68  | 1.58  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.96  | 0.464 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.96  | 0.656 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.818 | 0.389 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.68  | 1.14  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 36.8  | 10.3  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.45  | 0.684 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.45  | 0.648 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.9  | 6.50  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-08**Date Collected:** 04/24/18 12:00**Client ID:** DUP01\_042418**Date Received:** 04/24/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 89         |           | 30-150              | B      |
| Decachlorobiphenyl           | 103        |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 102        |           | 30-150              | A      |
| Decachlorobiphenyl           | 97         |           | 30-150              | A      |

Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 04/25/18 11:35  
 Analyst: KEG

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 11:45  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                                                                 | Result | Qualifier | Units | RL    | MDL   | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1109206-1 |        |           |       |       |       |        |
| Delta-BHC                                                                                 | ND     |           | ug/kg | 1.52  | 0.298 | A      |
| Lindane                                                                                   | ND     |           | ug/kg | 0.634 | 0.283 | A      |
| Alpha-BHC                                                                                 | ND     |           | ug/kg | 0.634 | 0.180 | A      |
| Beta-BHC                                                                                  | ND     |           | ug/kg | 1.52  | 0.577 | A      |
| Heptachlor                                                                                | ND     |           | ug/kg | 0.761 | 0.341 | A      |
| Aldrin                                                                                    | ND     |           | ug/kg | 1.52  | 0.536 | A      |
| Heptachlor epoxide                                                                        | ND     |           | ug/kg | 2.85  | 0.856 | A      |
| Endrin                                                                                    | ND     |           | ug/kg | 0.634 | 0.260 | A      |
| Endrin aldehyde                                                                           | ND     |           | ug/kg | 1.90  | 0.666 | A      |
| Endrin ketone                                                                             | ND     |           | ug/kg | 1.52  | 0.392 | A      |
| Dieldrin                                                                                  | ND     |           | ug/kg | 0.951 | 0.476 | A      |
| 4,4'-DDE                                                                                  | ND     |           | ug/kg | 1.52  | 0.352 | A      |
| 4,4'-DDD                                                                                  | ND     |           | ug/kg | 1.52  | 0.543 | A      |
| 4,4'-DDT                                                                                  | ND     |           | ug/kg | 2.85  | 1.22  | A      |
| Endosulfan I                                                                              | ND     |           | ug/kg | 1.52  | 0.360 | A      |
| Endosulfan II                                                                             | ND     |           | ug/kg | 1.52  | 0.508 | A      |
| Endosulfan sulfate                                                                        | ND     |           | ug/kg | 0.634 | 0.302 | A      |
| Methoxychlor                                                                              | ND     |           | ug/kg | 2.85  | 0.888 | A      |
| Toxaphene                                                                                 | ND     |           | ug/kg | 28.5  | 7.99  | A      |
| cis-Chlordane                                                                             | ND     |           | ug/kg | 1.90  | 0.530 | A      |
| trans-Chlordane                                                                           | ND     |           | ug/kg | 1.90  | 0.502 | A      |
| Chlordane                                                                                 | ND     |           | ug/kg | 12.4  | 5.04  | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 04/25/18 11:35  
 Analyst: KEG

Extraction Method: EPA 3546  
 Extraction Date: 04/24/18 11:45  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/25/18

| Parameter                                                                                 | Result | Qualifier | Units | RL | MDL | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1109206-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance |        |
|------------------------------|-----------|-----------|------------|--------|
|                              |           |           | Criteria   | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 90        |           | 30-150     | B      |
| Decachlorobiphenyl           | 88        |           | 30-150     | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 88        |           | 30-150     | A      |
| Decachlorobiphenyl           | 75        |           | 30-150     | A      |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814438

Report Date: 04/30/18

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1109206-2 WG1109206-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                    | 101              |      | 96                |      | 30-150              | 5   |      | 30            | A      |
| Lindane                                                                                                      | 96               |      | 94                |      | 30-150              | 2   |      | 30            | A      |
| Alpha-BHC                                                                                                    | 84               |      | 85                |      | 30-150              | 1   |      | 30            | A      |
| Beta-BHC                                                                                                     | 100              |      | 91                |      | 30-150              | 9   |      | 30            | A      |
| Heptachlor                                                                                                   | 92               |      | 94                |      | 30-150              | 2   |      | 30            | A      |
| Aldrin                                                                                                       | 94               |      | 95                |      | 30-150              | 1   |      | 30            | A      |
| Heptachlor epoxide                                                                                           | 92               |      | 92                |      | 30-150              | 0   |      | 30            | A      |
| Endrin                                                                                                       | 91               |      | 92                |      | 30-150              | 1   |      | 30            | A      |
| Endrin aldehyde                                                                                              | 72               |      | 73                |      | 30-150              | 1   |      | 30            | A      |
| Endrin ketone                                                                                                | 85               |      | 84                |      | 30-150              | 1   |      | 30            | A      |
| Dieldrin                                                                                                     | 99               |      | 100               |      | 30-150              | 1   |      | 30            | A      |
| 4,4'-DDE                                                                                                     | 94               |      | 96                |      | 30-150              | 2   |      | 30            | A      |
| 4,4'-DDD                                                                                                     | 94               |      | 94                |      | 30-150              | 0   |      | 30            | A      |
| 4,4'-DDT                                                                                                     | 92               |      | 94                |      | 30-150              | 2   |      | 30            | A      |
| Endosulfan I                                                                                                 | 88               |      | 90                |      | 30-150              | 2   |      | 30            | A      |
| Endosulfan II                                                                                                | 88               |      | 88                |      | 30-150              | 0   |      | 30            | A      |
| Endosulfan sulfate                                                                                           | 87               |      | 83                |      | 30-150              | 5   |      | 30            | A      |
| Methoxychlor                                                                                                 | 85               |      | 87                |      | 30-150              | 2   |      | 30            | A      |
| cis-Chlordane                                                                                                | 82               |      | 84                |      | 30-150              | 2   |      | 30            | A      |
| trans-Chlordane                                                                                              | 63               |      | 70                |      | 30-150              | 11  |      | 30            | A      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814438**Report Date:** 04/30/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1109206-2 WG1109206-3

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 92                       |             | 89                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 88                       |             | 88                        |             | 30-150                         | B             |
| 2,4,5,6-Tetrachloro-m-xylene | 87                       |             | 87                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 77                       |             | 78                        |             | 30-150                         | A             |

## METALS

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-01

Date Collected: 04/24/18 07:45

Client ID: EB-06\_0-2

Date Received: 04/24/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 4880   |           | mg/kg | 9.00  | 2.43  | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Antimony, Total              | ND     |           | mg/kg | 4.50  | 0.342 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Arsenic, Total               | 4.73   |           | mg/kg | 0.900 | 0.187 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Barium, Total                | 106    |           | mg/kg | 0.900 | 0.157 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Beryllium, Total             | 0.234  | J         | mg/kg | 0.450 | 0.030 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Cadmium, Total               | 0.243  | J         | mg/kg | 0.900 | 0.088 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Calcium, Total               | 29900  |           | mg/kg | 9.00  | 3.15  | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Chromium, Total              | 12.9   |           | mg/kg | 0.900 | 0.086 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Cobalt, Total                | 4.15   |           | mg/kg | 1.80  | 0.149 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Copper, Total                | 19.4   |           | mg/kg | 0.900 | 0.232 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Iron, Total                  | 8850   |           | mg/kg | 4.50  | 0.813 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Lead, Total                  | 228    |           | mg/kg | 4.50  | 0.241 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Magnesium, Total             | 2110   |           | mg/kg | 9.00  | 1.39  | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Manganese, Total             | 207    |           | mg/kg | 0.900 | 0.143 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Mercury, Total               | 0.396  |           | mg/kg | 0.075 | 0.016 | 1               | 04/25/18 08:00 | 04/25/18 11:04 | EPA 7471B   | 1,7471B           | MG      |
| Nickel, Total                | 14.8   |           | mg/kg | 2.25  | 0.218 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Potassium, Total             | 1130   |           | mg/kg | 225   | 13.0  | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Selenium, Total              | 0.468  | J         | mg/kg | 1.80  | 0.232 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Silver, Total                | ND     |           | mg/kg | 0.900 | 0.255 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Sodium, Total                | 167    | J         | mg/kg | 180   | 2.84  | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Thallium, Total              | ND     |           | mg/kg | 1.80  | 0.284 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Vanadium, Total              | 19.2   |           | mg/kg | 0.900 | 0.183 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |
| Zinc, Total                  | 118    |           | mg/kg | 4.50  | 0.264 | 2               | 04/25/18 05:35 | 04/25/18 08:49 | EPA 3050B   | 1,6010C           | LC      |





**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-02

Date Collected: 04/24/18 08:35

Client ID: EB-06\_13-15

Date Received: 04/24/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

| 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 | 9.73  | 2.63  | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Antimony, Total              | ND     |           | mg/kg | 4.86  | 0.370 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Arsenic, Total               | 3.69   |           | mg/kg | 0.973 | 0.202 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Barium, Total                | 28.6   |           | mg/kg | 0.973 | 0.169 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Beryllium, Total             | 0.370  | J         | mg/kg | 0.486 | 0.032 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Cadmium, Total               | 0.156  | J         | mg/kg | 0.973 | 0.095 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Calcium, Total               | 481    |           | mg/kg | 9.73  | 3.40  | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Chromium, Total              | 14.9   |           | mg/kg | 0.973 | 0.093 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Cobalt, Total                | 7.54   |           | mg/kg | 1.94  | 0.161 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Copper, Total                | 18.5   |           | mg/kg | 0.973 | 0.251 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Iron, Total                  | 12400  |           | mg/kg | 4.86  | 0.878 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Lead, Total                  | 8.66   |           | mg/kg | 4.86  | 0.261 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Magnesium, Total             | 2760   |           | mg/kg | 9.73  | 1.50  | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Manganese, Total             | 84.3   |           | mg/kg | 0.973 | 0.155 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Mercury, Total               | 0.028  | J         | mg/kg | 0.079 | 0.017 | 1               | 04/25/18 08:00 | 04/25/18 11:15 | EPA 7471B   | 1,7471B           | MG      |
| Nickel, Total                | 14.6   |           | mg/kg | 2.43  | 0.235 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Potassium, Total             | 916    |           | mg/kg | 243   | 14.0  | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Selenium, Total              | 0.496  | J         | mg/kg | 1.94  | 0.251 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Silver, Total                | ND     |           | mg/kg | 0.973 | 0.275 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Sodium, Total                | 142    | J         | mg/kg | 194   | 3.06  | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Thallium, Total              | ND     |           | mg/kg | 1.94  | 0.306 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Vanadium, Total              | 19.4   |           | mg/kg | 0.973 | 0.197 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |
| Zinc, Total                  | 35.2   |           | mg/kg | 4.86  | 0.285 | 2               | 04/25/18 05:35 | 04/25/18 09:08 | EPA 3050B   | 1,6010C           | LC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-03

Date Collected: 04/24/18 08:45

Client ID: EB-06\_22-24

Date Received: 04/24/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 4040   |           | mg/kg | 8.51  | 2.30  | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Antimony, Total              | ND     |           | mg/kg | 4.25  | 0.323 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Arsenic, Total               | 1.77   |           | mg/kg | 0.851 | 0.177 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Barium, Total                | 12.4   |           | mg/kg | 0.851 | 0.148 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Beryllium, Total             | 0.162  | J         | mg/kg | 0.425 | 0.028 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Cadmium, Total               | 0.128  | J         | mg/kg | 0.851 | 0.083 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Calcium, Total               | 754    |           | mg/kg | 8.51  | 2.98  | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Chromium, Total              | 9.93   |           | mg/kg | 0.851 | 0.082 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Cobalt, Total                | 3.68   |           | mg/kg | 1.70  | 0.141 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Copper, Total                | 12.4   |           | mg/kg | 0.851 | 0.220 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Iron, Total                  | 9130   |           | mg/kg | 4.25  | 0.768 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Lead, Total                  | 4.48   |           | mg/kg | 4.25  | 0.228 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Magnesium, Total             | 1520   |           | mg/kg | 8.51  | 1.31  | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Manganese, Total             | 100    |           | mg/kg | 0.851 | 0.135 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Mercury, Total               | ND     |           | mg/kg | 0.070 | 0.015 | 1               | 04/25/18 08:00 | 04/25/18 11:17 | EPA 7471B   | 1,7471B           | MG      |
| Nickel, Total                | 8.75   |           | mg/kg | 2.13  | 0.206 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Potassium, Total             | 582    |           | mg/kg | 213   | 12.2  | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Selenium, Total              | ND     |           | mg/kg | 1.70  | 0.220 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Silver, Total                | ND     |           | mg/kg | 0.851 | 0.241 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Sodium, Total                | 153    | J         | mg/kg | 170   | 2.68  | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Thallium, Total              | ND     |           | mg/kg | 1.70  | 0.268 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Vanadium, Total              | 12.2   |           | mg/kg | 0.851 | 0.173 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |
| Zinc, Total                  | 14.4   |           | mg/kg | 4.25  | 0.249 | 2               | 04/25/18 05:35 | 04/25/18 09:13 | EPA 3050B   | 1,6010C           | LC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-04

Date Collected: 04/24/18 10:10

Client ID: EB-01\_0-2

Date Received: 04/24/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 4760   |           | mg/kg | 9.07  | 2.45  | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Antimony, Total              | ND     |           | mg/kg | 4.54  | 0.345 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Arsenic, Total               | 3.48   |           | mg/kg | 0.907 | 0.189 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Barium, Total                | 450    |           | mg/kg | 0.907 | 0.158 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Beryllium, Total             | 0.209  | J         | mg/kg | 0.454 | 0.030 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Cadmium, Total               | 0.254  | J         | mg/kg | 0.907 | 0.089 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Calcium, Total               | 40000  |           | mg/kg | 9.07  | 3.18  | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Chromium, Total              | 12.2   |           | mg/kg | 0.907 | 0.087 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Cobalt, Total                | 3.63   |           | mg/kg | 1.81  | 0.151 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Copper, Total                | 10.7   |           | mg/kg | 0.907 | 0.234 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Iron, Total                  | 7850   |           | mg/kg | 4.54  | 0.819 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Lead, Total                  | 541    |           | mg/kg | 4.54  | 0.243 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Magnesium, Total             | 1700   |           | mg/kg | 9.07  | 1.40  | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Manganese, Total             | 205    |           | mg/kg | 0.907 | 0.144 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Mercury, Total               | 0.344  |           | mg/kg | 0.074 | 0.016 | 1               | 04/25/18 08:00 | 04/25/18 11:19 | EPA 7471B   | 1,7471B           | MG      |
| Nickel, Total                | 11.6   |           | mg/kg | 2.27  | 0.220 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Potassium, Total             | 982    |           | mg/kg | 227   | 13.1  | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Selenium, Total              | 0.345  | J         | mg/kg | 1.81  | 0.234 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Silver, Total                | ND     |           | mg/kg | 0.907 | 0.257 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Sodium, Total                | 172    | J         | mg/kg | 181   | 2.86  | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Thallium, Total              | ND     |           | mg/kg | 1.81  | 0.286 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Vanadium, Total              | 14.6   |           | mg/kg | 0.907 | 0.184 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |
| Zinc, Total                  | 253    |           | mg/kg | 4.54  | 0.266 | 2               | 04/25/18 05:35 | 04/25/18 09:17 | EPA 3050B   | 1,6010C           | LC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-05

Date Collected: 04/24/18 10:45

Client ID: EB-01\_14-16

Date Received: 04/24/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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              | 10400  |           | mg/kg | 10.1  | 2.73  | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Antimony, Total              | ND     |           | mg/kg | 5.05  | 0.384 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Arsenic, Total               | 1.95   |           | mg/kg | 1.01  | 0.210 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Barium, Total                | 31.1   |           | mg/kg | 1.01  | 0.176 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Beryllium, Total             | 0.546  |           | mg/kg | 0.505 | 0.033 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Cadmium, Total               | 0.101  | J         | mg/kg | 1.01  | 0.099 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Calcium, Total               | 744    |           | mg/kg | 10.1  | 3.54  | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Chromium, Total              | 11.2   |           | mg/kg | 1.01  | 0.097 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Cobalt, Total                | 3.15   |           | mg/kg | 2.02  | 0.168 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Copper, Total                | 7.04   |           | mg/kg | 1.01  | 0.261 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Iron, Total                  | 9260   |           | mg/kg | 5.05  | 0.913 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Lead, Total                  | 6.02   |           | mg/kg | 5.05  | 0.271 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Magnesium, Total             | 2080   |           | mg/kg | 10.1  | 1.56  | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Manganese, Total             | 73.6   |           | mg/kg | 1.01  | 0.161 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Mercury, Total               | ND     |           | mg/kg | 0.081 | 0.017 | 1               | 04/25/18 08:00 | 04/25/18 11:20 | EPA 7471B   | 1,7471B           | MG      |
| Nickel, Total                | 12.3   |           | mg/kg | 2.53  | 0.245 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Potassium, Total             | 780    |           | mg/kg | 253   | 14.6  | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Selenium, Total              | ND     |           | mg/kg | 2.02  | 0.261 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Silver, Total                | ND     |           | mg/kg | 1.01  | 0.286 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Sodium, Total                | 142    | J         | mg/kg | 202   | 3.18  | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Thallium, Total              | ND     |           | mg/kg | 2.02  | 0.318 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Vanadium, Total              | 11.4   |           | mg/kg | 1.01  | 0.205 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |
| Zinc, Total                  | 28.5   |           | mg/kg | 5.05  | 0.296 | 2               | 04/25/18 05:35 | 04/25/18 09:47 | EPA 3050B   | 1,6010C           | LC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-06

Date Collected: 04/24/18 11:30

Client ID: EB-08\_0-2

Date Received: 04/24/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 4470   |           | mg/kg | 8.99  | 2.43  | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Antimony, Total              | ND     |           | mg/kg | 4.49  | 0.341 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Arsenic, Total               | 6.29   |           | mg/kg | 0.899 | 0.187 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Barium, Total                | 1040   |           | mg/kg | 0.899 | 0.156 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Beryllium, Total             | 0.180  | J         | mg/kg | 0.449 | 0.030 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Cadmium, Total               | 0.863  | J         | mg/kg | 0.899 | 0.088 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Calcium, Total               | 46300  |           | mg/kg | 8.99  | 3.14  | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Chromium, Total              | 12.6   |           | mg/kg | 0.899 | 0.086 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Cobalt, Total                | 2.99   |           | mg/kg | 1.80  | 0.149 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Copper, Total                | 13.0   |           | mg/kg | 0.899 | 0.232 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Iron, Total                  | 6960   |           | mg/kg | 4.49  | 0.811 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Lead, Total                  | 4680   |           | mg/kg | 4.49  | 0.241 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Magnesium, Total             | 2120   |           | mg/kg | 8.99  | 1.38  | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Manganese, Total             | 194    |           | mg/kg | 0.899 | 0.143 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Mercury, Total               | 1.39   |           | mg/kg | 0.073 | 0.015 | 1               | 04/25/18 08:00 | 04/25/18 11:22 | EPA 7471B   | 1,7471B           | MG      |
| Nickel, Total                | 9.06   |           | mg/kg | 2.25  | 0.217 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Potassium, Total             | 812    |           | mg/kg | 225   | 12.9  | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Selenium, Total              | 0.872  | J         | mg/kg | 1.80  | 0.232 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Silver, Total                | ND     |           | mg/kg | 0.899 | 0.254 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Sodium, Total                | 186    |           | mg/kg | 180   | 2.83  | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Thallium, Total              | ND     |           | mg/kg | 1.80  | 0.283 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Vanadium, Total              | 14.8   |           | mg/kg | 0.899 | 0.182 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |
| Zinc, Total                  | 672    |           | mg/kg | 4.49  | 0.263 | 2               | 04/25/18 05:35 | 04/25/18 09:51 | EPA 3050B   | 1,6010C           | LC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-07

Date Collected: 04/24/18 11:45

Client ID: EB-08\_13-15

Date Received: 04/24/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 9650   |           | mg/kg | 9.97  | 2.69  | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Antimony, Total              | ND     |           | mg/kg | 4.98  | 0.379 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Arsenic, Total               | 2.46   |           | mg/kg | 0.997 | 0.207 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Barium, Total                | 21.6   |           | mg/kg | 0.997 | 0.173 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Beryllium, Total             | 0.528  |           | mg/kg | 0.498 | 0.033 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Cadmium, Total               | 0.10   | J         | mg/kg | 0.997 | 0.098 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Calcium, Total               | 1140   |           | mg/kg | 9.97  | 3.49  | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Chromium, Total              | 11.6   |           | mg/kg | 0.997 | 0.096 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Cobalt, Total                | 3.73   |           | mg/kg | 1.99  | 0.165 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Copper, Total                | 6.82   |           | mg/kg | 0.997 | 0.257 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Iron, Total                  | 9660   |           | mg/kg | 4.98  | 0.900 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Lead, Total                  | 7.00   |           | mg/kg | 4.98  | 0.267 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Magnesium, Total             | 1800   |           | mg/kg | 9.97  | 1.54  | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Manganese, Total             | 139    |           | mg/kg | 0.997 | 0.158 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Mercury, Total               | 0.018  | J         | mg/kg | 0.083 | 0.018 | 1               | 04/25/18 08:00 | 04/25/18 11:24 | EPA 7471B   | 1,7471B           | MG      |
| Nickel, Total                | 12.8   |           | mg/kg | 2.49  | 0.241 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Potassium, Total             | 674    |           | mg/kg | 249   | 14.4  | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Selenium, Total              | ND     |           | mg/kg | 1.99  | 0.257 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Silver, Total                | ND     |           | mg/kg | 0.997 | 0.282 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Sodium, Total                | 100    | J         | mg/kg | 199   | 3.14  | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Thallium, Total              | ND     |           | mg/kg | 1.99  | 0.314 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Vanadium, Total              | 14.1   |           | mg/kg | 0.997 | 0.202 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |
| Zinc, Total                  | 32.3   |           | mg/kg | 4.98  | 0.292 | 2               | 04/25/18 05:35 | 04/25/18 09:56 | EPA 3050B   | 1,6010C           | LC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**SAMPLE RESULTS**

Lab ID: L1814438-08

Date Collected: 04/24/18 12:00

Client ID: DUP01\_042418

Date Received: 04/24/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

| 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 | 9.81  | 2.65  | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Antimony, Total              | ND     |           | mg/kg | 4.90  | 0.373 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Arsenic, Total               | 1.94   |           | mg/kg | 0.981 | 0.204 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Barium, Total                | 28.0   |           | mg/kg | 0.981 | 0.171 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Beryllium, Total             | 0.402  | J         | mg/kg | 0.490 | 0.032 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Cadmium, Total               | 0.137  | J         | mg/kg | 0.981 | 0.096 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Calcium, Total               | 682    |           | mg/kg | 9.81  | 3.43  | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Chromium, Total              | 12.8   |           | mg/kg | 0.981 | 0.094 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Cobalt, Total                | 4.19   |           | mg/kg | 1.96  | 0.163 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Copper, Total                | 7.77   |           | mg/kg | 0.981 | 0.253 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Iron, Total                  | 12000  |           | mg/kg | 4.90  | 0.886 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Lead, Total                  | 14.7   |           | mg/kg | 4.90  | 0.263 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Magnesium, Total             | 2570   |           | mg/kg | 9.81  | 1.51  | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Manganese, Total             | 99.8   |           | mg/kg | 0.981 | 0.156 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Mercury, Total               | ND     |           | mg/kg | 0.081 | 0.017 | 1               | 04/25/18 08:00 | 04/25/18 11:26 | EPA 7471B   | 1,7471B           | MG      |
| Nickel, Total                | 12.9   |           | mg/kg | 2.45  | 0.237 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Potassium, Total             | 806    |           | mg/kg | 245   | 14.1  | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Selenium, Total              | 0.490  | J         | mg/kg | 1.96  | 0.253 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Silver, Total                | ND     |           | mg/kg | 0.981 | 0.278 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Sodium, Total                | 160    | J         | mg/kg | 196   | 3.09  | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Thallium, Total              | ND     |           | mg/kg | 1.96  | 0.309 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Vanadium, Total              | 14.1   |           | mg/kg | 0.981 | 0.199 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |
| Zinc, Total                  | 34.8   |           | mg/kg | 4.90  | 0.287 | 2               | 04/25/18 05:35 | 04/25/18 10:01 | EPA 3050B   | 1,6010C           | LC      |





Project Name: 551 GREENWICH STREET

Lab Number: L1814438

Project Number: 190043701

Report Date: 04/30/18

## Method Blank Analysis Batch Quality Control

| Parameter                                                            | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|----------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1109524-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Mercury, Total                                                       | ND     |           | mg/kg | 0.083 | 0.018 | 1                  | 04/25/18 08:00   | 04/25/18 11:01   | 1,7471B              | MG      |

### Prep Information

Digestion Method: EPA 7471B

| Parameter                                                            | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|----------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1109532-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Aluminum, Total                                                      | ND     |           | mg/kg | 4.00  | 1.08  | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Antimony, Total                                                      | ND     |           | mg/kg | 2.00  | 0.152 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Arsenic, Total                                                       | ND     |           | mg/kg | 0.400 | 0.083 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Barium, Total                                                        | ND     |           | mg/kg | 0.400 | 0.070 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Beryllium, Total                                                     | ND     |           | mg/kg | 0.200 | 0.013 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Cadmium, Total                                                       | ND     |           | mg/kg | 0.400 | 0.039 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Calcium, Total                                                       | ND     |           | mg/kg | 4.00  | 1.40  | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Chromium, Total                                                      | ND     |           | mg/kg | 0.400 | 0.038 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Cobalt, Total                                                        | ND     |           | mg/kg | 0.800 | 0.066 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Copper, Total                                                        | ND     |           | mg/kg | 0.400 | 0.103 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Iron, Total                                                          | ND     |           | mg/kg | 2.00  | 0.361 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Lead, Total                                                          | ND     |           | mg/kg | 2.00  | 0.107 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Magnesium, Total                                                     | ND     |           | mg/kg | 4.00  | 0.616 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Manganese, Total                                                     | 0.244  | J         | mg/kg | 0.400 | 0.064 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Nickel, Total                                                        | ND     |           | mg/kg | 1.00  | 0.097 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Potassium, Total                                                     | ND     |           | mg/kg | 100   | 5.76  | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Selenium, Total                                                      | ND     |           | mg/kg | 0.800 | 0.103 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Silver, Total                                                        | ND     |           | mg/kg | 0.400 | 0.113 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Sodium, Total                                                        | ND     |           | mg/kg | 80.0  | 1.26  | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Thallium, Total                                                      | ND     |           | mg/kg | 0.800 | 0.126 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Vanadium, Total                                                      | ND     |           | mg/kg | 0.400 | 0.081 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |
| Zinc, Total                                                          | ND     |           | mg/kg | 2.00  | 0.117 | 1                  | 04/25/18 05:35   | 04/25/18 08:40   | 1,6010C              | LC      |



**Project Name:** 551 GREENWICH STREET

**Lab Number:** L1814438

**Project Number:** 190043701

**Report Date:** 04/30/18

## **Method Blank Analysis Batch Quality Control**

### **Prep Information**

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Digestion Method: EPA 3050B

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814438**Report Date:** 04/30/18

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1109524-2 SRM Lot Number: D098-540 |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                       | 120              |      | -                 |      | 50-149              | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                            | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1109532-2 SRM Lot Number: D098-540 |                  |                   |                     |     |            |
| Aluminum, Total                                                                                      | 72               | -                 | 47-153              | -   |            |
| Antimony, Total                                                                                      | 141              | -                 | 6-194               | -   |            |
| Arsenic, Total                                                                                       | 102              | -                 | 83-117              | -   |            |
| Barium, Total                                                                                        | 88               | -                 | 82-118              | -   |            |
| Beryllium, Total                                                                                     | 90               | -                 | 83-117              | -   |            |
| Cadmium, Total                                                                                       | 97               | -                 | 82-117              | -   |            |
| Calcium, Total                                                                                       | 87               | -                 | 81-118              | -   |            |
| Chromium, Total                                                                                      | 95               | -                 | 83-119              | -   |            |
| Cobalt, Total                                                                                        | 97               | -                 | 84-116              | -   |            |
| Copper, Total                                                                                        | 96               | -                 | 84-116              | -   |            |
| Iron, Total                                                                                          | 89               | -                 | 60-140              | -   |            |
| Lead, Total                                                                                          | 96               | -                 | 82-117              | -   |            |
| Magnesium, Total                                                                                     | 79               | -                 | 76-124              | -   |            |
| Manganese, Total                                                                                     | 83               | -                 | 82-118              | -   |            |
| Nickel, Total                                                                                        | 96               | -                 | 82-117              | -   |            |
| Potassium, Total                                                                                     | 90               | -                 | 69-131              | -   |            |
| Selenium, Total                                                                                      | 97               | -                 | 78-121              | -   |            |
| Silver, Total                                                                                        | 100              | -                 | 80-120              | -   |            |
| Sodium, Total                                                                                        | 95               | -                 | 74-126              | -   |            |
| Thallium, Total                                                                                      | 98               | -                 | 80-119              | -   |            |
| Vanadium, Total                                                                                      | 92               | -                 | 79-121              | -   |            |

**Lab Control Sample Analysis**

Batch Quality Control

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18

| Parameter                                                                                            | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1109532-2 SRM Lot Number: D098-540 |                  |                   |                     |     |            |
| Zinc, Total                                                                                          | 98               | -                 | 81-119              | -   |            |

# **Matrix Spike Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| 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): 01-08    QC Batch ID: WG1109524-3    QC Sample: L1814438-01    Client ID: EB-06_0-2 |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Total                                                                                                                         | 0.396         | 0.147    | 0.634    | 162          | Q    | -         | -             |      | 80-120          | -   |      | 20         |

# **Matrix Spike Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| 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): 01-08 |               |          | QC Batch ID: WG1109532-3 |              | QC Sample: L1814438-01 |               | Client ID: EB-06_0-2 |     |            |
| Aluminum, Total                                          | 4880          | 178      | 4470                     | 0            | Q                      | -             | 75-125               | -   | 20         |
| Antimony, Total                                          | ND            | 44.6     | 43.0                     | 96           |                        | -             | 75-125               | -   | 20         |
| Arsenic, Total                                           | 4.73          | 10.7     | 15.1                     | 97           |                        | -             | 75-125               | -   | 20         |
| Barium, Total                                            | 106.          | 178      | 310                      | 114          |                        | -             | 75-125               | -   | 20         |
| Beryllium, Total                                         | 0.234J        | 4.46     | 4.46                     | 100          |                        | -             | 75-125               | -   | 20         |
| Cadmium, Total                                           | 0.243J        | 4.55     | 4.57                     | 100          |                        | -             | 75-125               | -   | 20         |
| Calcium, Total                                           | 29900         | 892      | 34700                    | 538          | Q                      | -             | 75-125               | -   | 20         |
| Chromium, Total                                          | 12.9          | 17.8     | 28.8                     | 89           |                        | -             | 75-125               | -   | 20         |
| Cobalt, Total                                            | 4.15          | 44.6     | 43.3                     | 88           |                        | -             | 75-125               | -   | 20         |
| Copper, Total                                            | 19.4          | 22.3     | 40.7                     | 95           |                        | -             | 75-125               | -   | 20         |
| Iron, Total                                              | 8850          | 89.2     | 6960                     | 0            | Q                      | -             | 75-125               | -   | 20         |
| Lead, Total                                              | 228.          | 45.5     | 577                      | 767          | Q                      | -             | 75-125               | -   | 20         |
| Magnesium, Total                                         | 2110          | 892      | 2390                     | 31           | Q                      | -             | 75-125               | -   | 20         |
| Manganese, Total                                         | 207.          | 44.6     | 216                      | 20           | Q                      | -             | 75-125               | -   | 20         |
| Nickel, Total                                            | 14.8          | 44.6     | 52.2                     | 84           |                        | -             | 75-125               | -   | 20         |
| Potassium, Total                                         | 1130          | 892      | 1820                     | 77           |                        | -             | 75-125               | -   | 20         |
| Selenium, Total                                          | 0.468J        | 10.7     | 11.6                     | 108          |                        | -             | 75-125               | -   | 20         |
| Silver, Total                                            | ND            | 26.8     | 28.7                     | 107          |                        | -             | 75-125               | -   | 20         |
| Sodium, Total                                            | 167.J         | 892      | 1200                     | 134          | Q                      | -             | 75-125               | -   | 20         |
| Thallium, Total                                          | ND            | 10.7     | 9.17                     | 86           |                        | -             | 75-125               | -   | 20         |
| Vanadium, Total                                          | 19.2          | 44.6     | 58.7                     | 88           |                        | -             | 75-125               | -   | 20         |

# **Matrix Spike Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| 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): 01-08    QC Batch ID: WG1109532-3    QC Sample: L1814438-01    Client ID: EB-06_0-2 |               |          |          |              |           |               |                 |        |            |
| Zinc, Total                                                                                                                            | 118.          | 44.6     | 270      | 341          | Q         | -             | -               | 75-125 | - 20       |

# Lab Duplicate Analysis

Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                                     | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1109524-4 QC Sample: L1814438-01 Client ID: EB-06_0-2 |               |                  |       |     |      |            |
| Mercury, Total                                                                                                                | 0.396         | 0.684            | mg/kg | 53  | Q    | 20         |



# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                                     | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1109532-4 QC Sample: L1814438-01 Client ID: EB-06_0-2 |               |                  |       |     |            |
| Aluminum, Total                                                                                                               | 4880          | 3820             | mg/kg | 24  | Q 20       |
| Antimony, Total                                                                                                               | ND            | ND               | mg/kg | NC  | 20         |
| Arsenic, Total                                                                                                                | 4.73          | 4.08             | mg/kg | 15  | 20         |
| Barium, Total                                                                                                                 | 106.          | 100              | mg/kg | 6   | 20         |
| Beryllium, Total                                                                                                              | 0.234J        | 0.161J           | mg/kg | NC  | 20         |
| Cadmium, Total                                                                                                                | 0.243J        | 0.214J           | mg/kg | NC  | 20         |
| Calcium, Total                                                                                                                | 29900         | 26800            | mg/kg | 11  | 20         |
| Chromium, Total                                                                                                               | 12.9          | 8.72             | mg/kg | 39  | Q 20       |
| Cobalt, Total                                                                                                                 | 4.15          | 3.89             | mg/kg | 6   | 20         |
| Copper, Total                                                                                                                 | 19.4          | 14.0             | mg/kg | 32  | Q 20       |
| Iron, Total                                                                                                                   | 8850          | 6820             | mg/kg | 26  | Q 20       |
| Lead, Total                                                                                                                   | 228.          | 187              | mg/kg | 20  | 20         |
| Magnesium, Total                                                                                                              | 2110          | 1450             | mg/kg | 37  | Q 20       |
| Manganese, Total                                                                                                              | 207.          | 178              | mg/kg | 15  | 20         |
| Nickel, Total                                                                                                                 | 14.8          | 13.1             | mg/kg | 12  | 20         |
| Potassium, Total                                                                                                              | 1130          | 827              | mg/kg | 31  | Q 20       |
| Selenium, Total                                                                                                               | 0.468J        | 0.375J           | mg/kg | NC  | 20         |
| Silver, Total                                                                                                                 | ND            | ND               | mg/kg | NC  | 20         |
| Sodium, Total                                                                                                                 | 167.J         | 165J             | mg/kg | NC  | 20         |

# Lab Duplicate Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814438

**Report Date:** 04/30/18

| Parameter                                                                                                                     | Native Sample | Duplicate Sample | Units | RPD  | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1109532-4 QC Sample: L1814438-01 Client ID: EB-06_0-2 |               |                  |       |      |            |
| Thallium, Total                                                                                                               | ND            | ND               | mg/kg | NC   | 20         |
| Vanadium, Total                                                                                                               | 19.2          | 12.8             | mg/kg | 40 Q | 20         |
| Zinc, Total                                                                                                                   | 118.          | 99.5             | mg/kg | 17   | 20         |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814438**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-01**Client ID:** EB-06\_0-2**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/24/18 07:45**Date Received:** 04/24/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 87.0   |           | %     | 0.100 | NA  | 1                  | -                | 04/25/18 06:38   | 121,2540G            | CG      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814438**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-02**Client ID:** EB-06\_13-15**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/24/18 08:35**Date Received:** 04/24/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 80.5   |           | %     | 0.100 | NA  | 1                  | -                | 04/25/18 06:38   | 121,2540G            | CG      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814438**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-03**Client ID:** EB-06\_22-24**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/24/18 08:45**Date Received:** 04/24/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 90.4   |           | %     | 0.100 | NA  | 1                  | -                | 04/25/18 06:38   | 121,2540G            | CG      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814438**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-04**Client ID:** EB-01\_0-2**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/24/18 10:10**Date Received:** 04/24/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 86.5   |           | %     | 0.100 | NA  | 1                  | -                | 04/25/18 06:38   | 121,2540G            | CG      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814438**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-05**Client ID:** EB-01\_14-16**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/24/18 10:45**Date Received:** 04/24/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 77.4   |           | %     | 0.100 | NA  | 1                  | -                | 04/25/18 06:38   | 121,2540G            | CG      |





**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814438**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-06**Client ID:** EB-08\_0-2**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/24/18 11:30**Date Received:** 04/24/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 86.6   |           | %     | 0.100 | NA  | 1                  | -                | 04/25/18 06:38   | 121,2540G            | CG      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814438**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-07**Client ID:** EB-08\_13-15**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/24/18 11:45**Date Received:** 04/24/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 78.0   |           | %     | 0.100 | NA  | 1                  | -                | 04/25/18 06:38   | 121,2540G            | CG      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814438**Report Date:** 04/30/18**SAMPLE RESULTS****Lab ID:** L1814438-08**Client ID:** DUP01\_042418**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/24/18 12:00**Date Received:** 04/24/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 77.8   |           | %     | 0.100 | NA  | 1                  | -                | 04/25/18 06:38   | 121,2540G            | CG      |



**Lab Duplicate Analysis**  
Batch Quality Control**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814438**Report Date:** 04/30/18

| Parameter                                                                                                                             | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1109551-1 QC Sample: L1814387-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Solids, Total                                                                                                                         | 76.7          | 76.6             | %     | 0   |      | 20         |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

|               |                     |
|---------------|---------------------|
| <b>Cooler</b> | <b>Custody Seal</b> |
| A             | Absent              |

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                              |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814438-01A | 5 gram Encore Sampler                  | A      | NA         |          | 3.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-01B | 5 gram Encore Sampler                  | A      | NA         |          | 3.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-01C | 5 gram Encore Sampler                  | A      | NA         |          | 3.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-01D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.6        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |
| L1814438-01E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.6        | 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) |
| L1814438-01F | Glass 250ml/8oz unpreserved            | A      | NA         |          | 3.6        | Y    | Absent |                  | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814438-01X | Vial MeOH preserved split              | A      | NA         |          | 3.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-01Y | Vial Water preserved split             | A      | NA         |          | 3.6        | Y    | Absent | 25-APR-18 04:06  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-01Z | Vial Water preserved split             | A      | NA         |          | 3.6        | Y    | Absent | 25-APR-18 04:06  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-02A | 5 gram Encore Sampler                  | A      | NA         |          | 3.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-02B | 5 gram Encore Sampler                  | A      | NA         |          | 3.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-02C | 5 gram Encore Sampler                  | A      | NA         |          | 3.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-02D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.6        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |
| L1814438-02E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.6        | 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) |
| L1814438-02F | Glass 250ml/8oz unpreserved            | A      | NA         |          | 3.6        | Y    | Absent |                  | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814438-02X | Vial MeOH preserved split              | A      | NA         |          | 3.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-02Y | Vial Water preserved split             | A      | NA         |          | 3.6        | Y    | Absent | 25-APR-18 05:33  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                       |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814438-02Z        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 05:33         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-03A        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-03B        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-03C        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-03D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 3.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814438-03E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 3.6               | 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) |
| L1814438-03F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 04:06         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814438-03X        | Vial MeOH preserved split              | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-03Y        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-03Z        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-04A        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-04B        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-04C        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 04:06         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-04D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 3.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814438-04E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 3.6               | 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) |
| L1814438-04F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814438-04X        | Vial MeOH preserved split              | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-04Y        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-04Z        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 04:06         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-05A        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-05B        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-05C        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-05D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 3.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                       |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814438-05E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 3.6               | 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) |
| L1814438-05F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814438-05X        | Vial MeOH preserved split              | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-05Y        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 04:06         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-05Z        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 04:06         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-06A        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-06B        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-06C        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-06D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 3.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814438-06E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 3.6               | 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) |
| L1814438-06F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814438-06X        | Vial MeOH preserved split              | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-06Y        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 04:06         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-06Z        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 04:06         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-07A        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-07B        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-07C        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-07D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 3.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814438-07E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 3.6               | 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) |
| L1814438-07F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814438**Project Number:** 190043701**Report Date:** 04/30/18**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                       |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814438-07X        | Vial MeOH preserved split              | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-07Y        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 04:06         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-07Z        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 04:06         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-08A        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-08B        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-08C        | 5 gram Encore Sampler                  | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-08D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 3.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814438-08E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 3.6               | 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) |
| L1814438-08F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814438-08X        | Vial MeOH preserved split              | A             | NA                |                 | 3.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-08Y        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 04:06         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814438-08Z        | Vial Water preserved split             | A             | NA                |                 | 3.6               | Y           | Absent      | 25-APR-18 04:06         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |



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**Lab Number:** L1814438  
**Report Date:** 04/30/18

## 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).                        |
| 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.                                                                                                                                                                                                                                                                                                                                                                                               |
| 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.

### 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

**Report Format:** DU Report with 'J' Qualifiers



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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:** 551 GREENWICH STREET  
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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:** 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, NO<sub>2</sub>, NO<sub>3</sub>.

### 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.

| <br><b>NEW YORK CHAIN OF CUSTODY</b>                                                                                                                                   |              | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         | Page <u>1</u><br>of <u>1</u>                                                                                                                                                                                                                                                                                                                                               |           | <b>Date Rec'd in Lab</b><br><u>4/24/18</u>                                                                                                                                                                                       |                    | <b>ALPHA Job #</b><br><u>UB14438</u>                                                                                                                                                                                                                                         |               |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------|--------------------|--------------|---------------|----------------------------------|------------|----------------------------------|------------|----------|-----------|---------|------|------|----|---|---|---|---|-----|-------------|---|------|---|---|---|---|---|---|-----|-------------|------|---|---|---|---|-----|-----------|-------|---|---|---|---|-----|-------------|-------|---|---|---|---|-----|-----------|-------|---|---|---|---|-----|-------------|---|-------|---|---|---|---|---|---|-----|--------------|---------|-------|------|----|---|---|---|---|
|                                                                                                                                                                                                                                                        |              | <b>Westborough, MA 01581</b><br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         | <b>Mansfield, MA 02048</b><br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288                                                                                                                                                                                                                                                                                    |           | <b>Project Information</b><br>Project Name: <u>SSI Greenwich Street</u><br>Project Location: <u>SSI Greenwich Street, Manhattan NY</u><br>Project # <u>190043701</u><br>(Use Project name as Project #) <input type="checkbox"/> |                    | <b>Deliverables</b><br><input checked="" type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B<br><input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File)<br><input type="checkbox"/> Other                                                         |               | <b>Billing Information</b><br><input type="checkbox"/> Same as Client Info<br>PO # |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| <b>Client Information</b><br>Client: <u>Langan Engineering</u><br>Address: <u>360 W 71st Street</u><br><u>Manhattan, NY 10001</u><br>Phone: <u>212-479-5400</u><br>Fax:<br>Email: <u>p.mcmahan@langan.com</u>                                          |              | <b>Project Manager:</b> <u>Paul McMahon</u><br><b>ALPHAQuote #:</b><br><b>Turn-Around Time</b><br>Standard <input checked="" type="checkbox"/> Due Date:<br>Rush (only if pre approved) <input type="checkbox"/> # of Days:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input checked="" type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge |           | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other:        |                    |                                                                                                                                                                                                                                                                              |               |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:                                                                                                                         |              | <b>ANALYSIS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><b>Preservation</b><br><input type="checkbox"/> Lab to do<br>(Please Specify below)                                                                                                                                                                                     |           | T<br>O<br>T<br>A<br>L<br><br>B<br>O<br>T<br>T<br>L<br>E                                                                                                                                                                          |                    |                                                                                                                                                                                                                                                                              |               |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| Please specify Metals or TAL.                                                                                                                                                                                                                          |              | <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID<br/>(Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">VOL EPA 8260</th> <th rowspan="2">SVOC EPA 8260</th> <th rowspan="2">Pesticides/PCBs by EPA 8061/8081</th> <th rowspan="2">TAL Metals</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>14438-01</td> <td>EB-06-0-2</td> <td>4/24/18</td> <td>7:45</td> <td>Soil</td> <td>KT</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>-02</td> <td>EB-06-13-15</td> <td rowspan="5" style="text-align: center;">↓</td> <td>8:35</td> <td rowspan="5" style="text-align: center;">↓</td> <td rowspan="5" style="text-align: center;">↓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>-03</td> <td>EB-06-22-24</td> <td>8:45</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>-04</td> <td>EB-01-0-2</td> <td>10:10</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>-05</td> <td>EB-01-14-16</td> <td>10:45</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>-06</td> <td>EB-08-0-2</td> <td>11:30</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>-07</td> <td>EB-08-13-15</td> <td rowspan="2" style="text-align: center;">↓</td> <td>11:45</td> <td rowspan="2" style="text-align: center;">↓</td> <td rowspan="2" style="text-align: center;">↓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>-08</td> <td>DUPOL-042418</td> <td>4/24/18</td> <td>12:00</td> <td>Soil</td> <td>KT</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> </tbody> </table> |         | ALPHA Lab ID<br>(Lab Use Only)                                                                                                                                                                                                                                                                                                                                             | Sample ID |                                                                                                                                                                                                                                  |                    | Collection                                                                                                                                                                                                                                                                   |               | Sample Matrix                                                                      | Sampler's Initials | VOL EPA 8260 | SVOC EPA 8260 | Pesticides/PCBs by EPA 8061/8081 | TAL Metals | Date                             | Time       | 14438-01 | EB-06-0-2 | 4/24/18 | 7:45 | Soil | KT | ✓ | ✓ | ✓ | ✓ | -02 | EB-06-13-15 | ↓ | 8:35 | ↓ | ↓ | ✓ | ✓ | ✓ | ✓ | -03 | EB-06-22-24 | 8:45 | ✓ | ✓ | ✓ | ✓ | -04 | EB-01-0-2 | 10:10 | ✓ | ✓ | ✓ | ✓ | -05 | EB-01-14-16 | 10:45 | ✓ | ✓ | ✓ | ✓ | -06 | EB-08-0-2 | 11:30 | ✓ | ✓ | ✓ | ✓ | -07 | EB-08-13-15 | ↓ | 11:45 | ↓ | ↓ | ✓ | ✓ | ✓ | ✓ | -08 | DUPOL-042418 | 4/24/18 | 12:00 | Soil | KT | ✓ | ✓ | ✓ | ✓ |
| ALPHA Lab ID<br>(Lab Use Only)                                                                                                                                                                                                                         | Sample ID    | Collection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                                                                                                                                                                                                                                                                                                                                                                            |           | Sample Matrix                                                                                                                                                                                                                    | Sampler's Initials | VOL EPA 8260                                                                                                                                                                                                                                                                 | SVOC EPA 8260 |                                                                                    |                    |              |               |                                  |            | Pesticides/PCBs by EPA 8061/8081 | TAL Metals |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
|                                                                                                                                                                                                                                                        |              | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Time    |                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                  |                    |                                                                                                                                                                                                                                                                              |               |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| 14438-01                                                                                                                                                                                                                                               | EB-06-0-2    | 4/24/18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7:45    | Soil                                                                                                                                                                                                                                                                                                                                                                       | KT        | ✓                                                                                                                                                                                                                                | ✓                  | ✓                                                                                                                                                                                                                                                                            | ✓             |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| -02                                                                                                                                                                                                                                                    | EB-06-13-15  | ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8:35    | ↓                                                                                                                                                                                                                                                                                                                                                                          | ↓         | ✓                                                                                                                                                                                                                                | ✓                  | ✓                                                                                                                                                                                                                                                                            | ✓             |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| -03                                                                                                                                                                                                                                                    | EB-06-22-24  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8:45    |                                                                                                                                                                                                                                                                                                                                                                            |           | ✓                                                                                                                                                                                                                                | ✓                  | ✓                                                                                                                                                                                                                                                                            | ✓             |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| -04                                                                                                                                                                                                                                                    | EB-01-0-2    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10:10   |                                                                                                                                                                                                                                                                                                                                                                            |           | ✓                                                                                                                                                                                                                                | ✓                  | ✓                                                                                                                                                                                                                                                                            | ✓             |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| -05                                                                                                                                                                                                                                                    | EB-01-14-16  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10:45   |                                                                                                                                                                                                                                                                                                                                                                            |           | ✓                                                                                                                                                                                                                                | ✓                  | ✓                                                                                                                                                                                                                                                                            | ✓             |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| -06                                                                                                                                                                                                                                                    | EB-08-0-2    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 11:30   |                                                                                                                                                                                                                                                                                                                                                                            |           | ✓                                                                                                                                                                                                                                | ✓                  | ✓                                                                                                                                                                                                                                                                            | ✓             |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| -07                                                                                                                                                                                                                                                    | EB-08-13-15  | ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11:45   | ↓                                                                                                                                                                                                                                                                                                                                                                          | ↓         | ✓                                                                                                                                                                                                                                | ✓                  | ✓                                                                                                                                                                                                                                                                            | ✓             |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| -08                                                                                                                                                                                                                                                    | DUPOL-042418 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4/24/18 |                                                                                                                                                                                                                                                                                                                                                                            |           | 12:00                                                                                                                                                                                                                            | Soil               | KT                                                                                                                                                                                                                                                                           | ✓             | ✓                                                                                  | ✓                  | ✓            |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| <b>Preservative Code:</b><br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other |              | <b>Container Code</b><br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         | <b>Westboro: Certification No: MA935</b><br><b>Mansfield: Certification No: MA015</b>                                                                                                                                                                                                                                                                                      |           | <b>Container Type</b><br><b>Preservative</b>                                                                                                                                                                                     |                    | 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.) |               |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |
| Relinquished By: <u>Life Technology</u><br><u>4/24/18 17:25</u><br><u>Daniel Santos AAC</u>                                                                                                                                                            |              | Date/Time: <u>4/24/18 14:20</u><br><u>4/24/18 17:25</u><br><u>4/24/18 23:10</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         | Received By: <u>Paul McMahon</u><br><u>4/24/18 14:20</u><br><u>Daniel Santos AAC</u><br><u>4/24/18 18:00</u><br><u>4/24/18 23:10</u>                                                                                                                                                                                                                                       |           | Date/Time:                                                                                                                                                                                                                       |                    |                                                                                                                                                                                                                                                                              |               |                                                                                    |                    |              |               |                                  |            |                                  |            |          |           |         |      |      |    |   |   |   |   |     |             |   |      |   |   |   |   |   |   |     |             |      |   |   |   |   |     |           |       |   |   |   |   |     |             |       |   |   |   |   |     |           |       |   |   |   |   |     |             |   |       |   |   |   |   |   |   |     |              |         |       |      |    |   |   |   |   |



## ANALYTICAL REPORT

|                 |                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------|
| Lab Number:     | L1814579                                                                                                        |
| Client:         | Langan Engineering & Environmental<br>21 Penn Plaza<br>360 W. 31st Street, 8th Floor<br>New York, NY 10001-2727 |
| ATTN:           | Paul McMahon                                                                                                    |
| Phone:          | (212) 479-5429                                                                                                  |
| Project Name:   | 551 GREENWICH STREET                                                                                            |
| Project Number: | 190043701                                                                                                       |
| Report Date:    | 05/02/18                                                                                                        |

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), NJ NELAP (MA015), CT (PH-0141), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), 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 #P330-13-00067), USFWS (Permit #LE2069641).

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**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814579  
**Report Date:** 05/02/18

| Alpha<br>Sample ID | Client ID       | Matrix     | Sample<br>Location             | Collection<br>Date/Time | Receive Date |
|--------------------|-----------------|------------|--------------------------------|-------------------------|--------------|
| L1814579-01        | SV02_042518     | SOIL_VAPOR | 551 GREENWICH ST, MANHATTAN NY | 04/25/18 13:20          | 04/25/18     |
| L1814579-02        | SV03_042518     | SOIL_VAPOR | 551 GREENWICH ST, MANHATTAN NY | 04/25/18 14:20          | 04/25/18     |
| L1814579-03        | SV05_042518     | SOIL_VAPOR | 551 GREENWICH ST, MANHATTAN NY | 04/25/18 14:25          | 04/25/18     |
| L1814579-04        | SV06_042518     | SOIL_VAPOR | 551 GREENWICH ST, MANHATTAN NY | 04/25/18 12:10          | 04/25/18     |
| L1814579-05        | SV07_042518     | SOIL_VAPOR | 551 GREENWICH ST, MANHATTAN NY | 04/25/18 12:10          | 04/25/18     |
| L1814579-06        | AA01_042518     | AIR        | 551 GREENWICH ST, MANHATTAN NY | 04/25/18 12:10          | 04/25/18     |
| L1814579-07        | UNUSED CAN #900 | SOIL_VAPOR | 551 GREENWICH ST, MANHATTAN NY |                         | 04/25/18     |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814579  
**Report Date:** 05/02/18

### 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:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814579  
**Report Date:** 05/02/18

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on April 23, 2018. The canister certification results are provided as an addendum.

L1814579-01 and -06 results for Acetone should be considered estimated due to co-elution with a non-target peak.

L1814579-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1814579-04: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1814579-04 The presence of Acetone could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

The WG1111482-3 LCS recoveries for 1,2,4-trichlorobenzene (144%), 1,2,3-trichlorobenzene (137%) and hexachlorobutadiene (138%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

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: 05/02/18

**AIR**

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814579**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-01  
 Client ID: SV02\_042518  
 Sample Location: 551 GREENWICH ST, MANHATTAN NY

Date Collected: 04/25/18 13:20  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 04/29/18 02:01  
 Analyst: MB

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Dichlorodifluoromethane                  | 0.502   | 0.200 | --  | 2.48    | 0.989 | --  |           | 1               |
| Chloromethane                            | 0.605   | 0.200 | --  | 1.25    | 0.413 | --  |           | 1               |
| Freon-114                                | ND      | 0.200 | --  | ND      | 1.40  | --  |           | 1               |
| Vinyl chloride                           | ND      | 0.200 | --  | ND      | 0.511 | --  |           | 1               |
| 1,3-Butadiene                            | 0.729   | 0.200 | --  | 1.61    | 0.442 | --  |           | 1               |
| Bromomethane                             | ND      | 0.200 | --  | ND      | 0.777 | --  |           | 1               |
| Chloroethane                             | ND      | 0.200 | --  | ND      | 0.528 | --  |           | 1               |
| Ethanol                                  | 41.9    | 5.00  | --  | 79.0    | 9.42  | --  |           | 1               |
| Vinyl bromide                            | ND      | 0.200 | --  | ND      | 0.874 | --  |           | 1               |
| Acetone                                  | 11.7    | 1.00  | --  | 27.8    | 2.38  | --  |           | 1               |
| Trichlorofluoromethane                   | 0.217   | 0.200 | --  | 1.22    | 1.12  | --  |           | 1               |
| Isopropanol                              | 1.01    | 0.500 | --  | 2.48    | 1.23  | --  |           | 1               |
| 1,1-Dichloroethene                       | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Tertiary butyl Alcohol                   | ND      | 0.500 | --  | ND      | 1.52  | --  |           | 1               |
| Methylene chloride                       | ND      | 0.500 | --  | ND      | 1.74  | --  |           | 1               |
| 3-Chloropropene                          | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide                         | ND      | 0.200 | --  | ND      | 0.623 | --  |           | 1               |
| Freon-113                                | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                 | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 1,1-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                  | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| 2-Butanone                               | 0.795   | 0.500 | --  | 2.34    | 1.47  | --  |           | 1               |
| cis-1,2-Dichloroethene                   | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-01

Date Collected: 04/25/18 13:20

Client ID: SV02\_042518

Date Received: 04/25/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Ethyl Acetate                            | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform                               | ND      | 0.200 | --  | ND      | 0.977 | --  |           | 1               |
| Tetrahydrofuran                          | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| 1,2-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane                                 | 5.84    | 0.200 | --  | 20.6    | 0.705 | --  |           | 1               |
| 1,1,1-Trichloroethane                    | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Benzene                                  | 4.16    | 0.200 | --  | 13.3    | 0.639 | --  |           | 1               |
| Carbon tetrachloride                     | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane                              | 3.27    | 0.200 | --  | 11.3    | 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                   | 2.04    | 0.200 | --  | 9.53    | 0.934 | --  |           | 1               |
| Heptane                                  | 4.22    | 0.200 | --  | 17.3    | 0.820 | --  |           | 1               |
| cis-1,3-Dichloropropene                  | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 4-Methyl-2-pentanone                     | 0.953   | 0.500 | --  | 3.91    | 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                                  | 9.64    | 0.200 | --  | 36.3    | 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               |
| Tetrachloroethene                        | ND      | 0.200 | --  | ND      | 1.36  | --  |           | 1               |
| Chlorobenzene                            | ND      | 0.200 | --  | ND      | 0.921 | --  |           | 1               |
| Ethylbenzene                             | 1.97    | 0.200 | --  | 8.56    | 0.869 | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-01

Date Collected: 04/25/18 13:20

Client ID: SV02\_042518

Date Received: 04/25/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| p/m-Xylene                               | 7.87    | 0.400 | --  | 34.2    | 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                                 | 2.90    | 0.200 | --  | 12.6    | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                           | 0.745   | 0.200 | --  | 3.66    | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                   | 1.16    | 0.200 | --  | 5.70    | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                   | 3.60    | 0.200 | --  | 17.7    | 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 | 85         |           | 60-140              |
| Bromochloromethane  | 79         |           | 60-140              |
| chlorobenzene-d5    | 90         |           | 60-140              |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814579**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-02  
 Client ID: SV03\_042518  
 Sample Location: 551 GREENWICH ST, MANHATTAN NY

Date Collected: 04/25/18 14:20  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 05/01/18 21:21  
 Analyst: RY

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Dichlorodifluoromethane                  | 0.266   | 0.200 | --  | 1.32    | 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                            | 1.02    | 0.200 | --  | 2.26    | 0.442 | --  |           | 1               |
| Bromomethane                             | ND      | 0.200 | --  | ND      | 0.777 | --  |           | 1               |
| Chloroethane                             | ND      | 0.200 | --  | ND      | 0.528 | --  |           | 1               |
| Ethanol                                  | 6.77    | 5.00  | --  | 12.8    | 9.42  | --  |           | 1               |
| Vinyl bromide                            | ND      | 0.200 | --  | ND      | 0.874 | --  |           | 1               |
| Acetone                                  | 104     | 1.00  | --  | 247     | 2.38  | --  |           | 1               |
| Trichlorofluoromethane                   | 0.240   | 0.200 | --  | 1.35    | 1.12  | --  |           | 1               |
| Isopropanol                              | 1.07    | 0.500 | --  | 2.63    | 1.23  | --  |           | 1               |
| 1,1-Dichloroethene                       | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Tertiary butyl Alcohol                   | 0.983   | 0.500 | --  | 2.98    | 1.52  | --  |           | 1               |
| Methylene chloride                       | ND      | 0.500 | --  | ND      | 1.74  | --  |           | 1               |
| 3-Chloropropene                          | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide                         | 5.15    | 0.200 | --  | 16.0    | 0.623 | --  |           | 1               |
| Freon-113                                | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                 | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 1,1-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                  | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| 2-Butanone                               | 22.5    | 0.500 | --  | 66.4    | 1.47  | --  |           | 1               |
| cis-1,2-Dichloroethene                   | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-02

Date Collected: 04/25/18 14:20

Client ID: SV03\_042518

Date Received: 04/25/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Ethyl Acetate                            | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform                               | 1.32    | 0.200 | --  | 6.45    | 0.977 | --  |           | 1               |
| Tetrahydrofuran                          | 0.585   | 0.500 | --  | 1.73    | 1.47  | --  |           | 1               |
| 1,2-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane                                 | 2.71    | 0.200 | --  | 9.55    | 0.705 | --  |           | 1               |
| 1,1,1-Trichloroethane                    | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Benzene                                  | 2.11    | 0.200 | --  | 6.74    | 0.639 | --  |           | 1               |
| Carbon tetrachloride                     | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane                              | 2.17    | 0.200 | --  | 7.47    | 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               |
| Trichloroethene                          | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |
| 2,2,4-Trimethylpentane                   | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Heptane                                  | 2.70    | 0.200 | --  | 11.1    | 0.820 | --  |           | 1               |
| cis-1,3-Dichloropropene                  | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 4-Methyl-2-pentanone                     | 1.06    | 0.500 | --  | 4.34    | 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                                  | 8.86    | 0.200 | --  | 33.4    | 0.754 | --  |           | 1               |
| 2-Hexanone                               | 6.23    | 0.200 | --  | 25.5    | 0.820 | --  |           | 1               |
| Dibromochloromethane                     | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane                        | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Tetrachloroethene                        | 1.12    | 0.200 | --  | 7.59    | 1.36  | --  |           | 1               |
| Chlorobenzene                            | ND      | 0.200 | --  | ND      | 0.921 | --  |           | 1               |
| Ethylbenzene                             | 2.34    | 0.200 | --  | 10.2    | 0.869 | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-02

Date Collected: 04/25/18 14:20

Client ID: SV03\_042518

Date Received: 04/25/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| p/m-Xylene                               | 9.64    | 0.400 | --  | 41.9    | 1.74  | --  |           | 1               |
| Bromoform                                | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                  | 0.680   | 0.200 | --  | 2.90    | 0.852 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene                                 | 2.99    | 0.200 | --  | 13.0    | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                           | 0.994   | 0.200 | --  | 4.89    | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                   | 0.655   | 0.200 | --  | 3.22    | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                   | 2.56    | 0.200 | --  | 12.6    | 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 | 89         |           | 60-140              |
| Bromochloromethane  | 92         |           | 60-140              |
| chlorobenzene-d5    | 112        |           | 60-140              |





**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-03 D  
 Client ID: SV05\_042518  
 Sample Location: 551 GREENWICH ST, MANHATTAN NY

Date Collected: 04/25/18 14:25  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 05/02/18 08:31  
 Analyst: RY

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Dichlorodifluoromethane                  | ND      | 0.500 | --  | ND      | 2.47 | --  |           | 2.5             |
| Chloromethane                            | ND      | 0.500 | --  | ND      | 1.03 | --  |           | 2.5             |
| Freon-114                                | ND      | 0.500 | --  | ND      | 3.49 | --  |           | 2.5             |
| Vinyl chloride                           | ND      | 0.500 | --  | ND      | 1.28 | --  |           | 2.5             |
| 1,3-Butadiene                            | ND      | 0.500 | --  | ND      | 1.11 | --  |           | 2.5             |
| Bromomethane                             | ND      | 0.500 | --  | ND      | 1.94 | --  |           | 2.5             |
| Chloroethane                             | ND      | 0.500 | --  | ND      | 1.32 | --  |           | 2.5             |
| Ethanol                                  | ND      | 12.5  | --  | ND      | 23.6 | --  |           | 2.5             |
| Vinyl bromide                            | ND      | 0.500 | --  | ND      | 2.19 | --  |           | 2.5             |
| Acetone                                  | 95.8    | 2.50  | --  | 228     | 5.94 | --  |           | 2.5             |
| Trichlorofluoromethane                   | ND      | 0.500 | --  | ND      | 2.81 | --  |           | 2.5             |
| Isopropanol                              | ND      | 1.25  | --  | ND      | 3.07 | --  |           | 2.5             |
| 1,1-Dichloroethene                       | ND      | 0.500 | --  | ND      | 1.98 | --  |           | 2.5             |
| Tertiary butyl Alcohol                   | 1.40    | 1.25  | --  | 4.24    | 3.79 | --  |           | 2.5             |
| Methylene chloride                       | ND      | 1.25  | --  | ND      | 4.34 | --  |           | 2.5             |
| 3-Chloropropene                          | ND      | 0.500 | --  | ND      | 1.57 | --  |           | 2.5             |
| Carbon disulfide                         | 0.628   | 0.500 | --  | 1.96    | 1.56 | --  |           | 2.5             |
| Freon-113                                | ND      | 0.500 | --  | ND      | 3.83 | --  |           | 2.5             |
| trans-1,2-Dichloroethene                 | ND      | 0.500 | --  | ND      | 1.98 | --  |           | 2.5             |
| 1,1-Dichloroethane                       | ND      | 0.500 | --  | ND      | 2.02 | --  |           | 2.5             |
| Methyl tert butyl ether                  | ND      | 0.500 | --  | ND      | 1.80 | --  |           | 2.5             |
| 2-Butanone                               | 10.8    | 1.25  | --  | 31.9    | 3.69 | --  |           | 2.5             |
| cis-1,2-Dichloroethene                   | ND      | 0.500 | --  | ND      | 1.98 | --  |           | 2.5             |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-03 D

Client ID: SV05\_042518

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Date Collected: 04/25/18 14:25

Date Received: 04/25/18

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Ethyl Acetate                            | ND      | 1.25  | --  | ND      | 4.50 | --  |           | 2.5             |
| Chloroform                               | ND      | 0.500 | --  | ND      | 2.44 | --  |           | 2.5             |
| Tetrahydrofuran                          | ND      | 1.25  | --  | ND      | 3.69 | --  |           | 2.5             |
| 1,2-Dichloroethane                       | ND      | 0.500 | --  | ND      | 2.02 | --  |           | 2.5             |
| n-Hexane                                 | 130     | 0.500 | --  | 458     | 1.76 | --  |           | 2.5             |
| 1,1,1-Trichloroethane                    | ND      | 0.500 | --  | ND      | 2.73 | --  |           | 2.5             |
| Benzene                                  | 7.84    | 0.500 | --  | 25.0    | 1.60 | --  |           | 2.5             |
| Carbon tetrachloride                     | ND      | 0.500 | --  | ND      | 3.15 | --  |           | 2.5             |
| Cyclohexane                              | 155     | 0.500 | --  | 534     | 1.72 | --  |           | 2.5             |
| 1,2-Dichloropropane                      | ND      | 0.500 | --  | ND      | 2.31 | --  |           | 2.5             |
| Bromodichloromethane                     | ND      | 0.500 | --  | ND      | 3.35 | --  |           | 2.5             |
| 1,4-Dioxane                              | ND      | 0.500 | --  | ND      | 1.80 | --  |           | 2.5             |
| Trichloroethene                          | ND      | 0.500 | --  | ND      | 2.69 | --  |           | 2.5             |
| 2,2,4-Trimethylpentane                   | ND      | 0.500 | --  | ND      | 2.34 | --  |           | 2.5             |
| Heptane                                  | 33.9    | 0.500 | --  | 139     | 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                                  | 8.30    | 0.500 | --  | 31.3    | 1.88 | --  |           | 2.5             |
| 2-Hexanone                               | 2.58    | 0.500 | --  | 10.6    | 2.05 | --  |           | 2.5             |
| Dibromochloromethane                     | ND      | 0.500 | --  | ND      | 4.26 | --  |           | 2.5             |
| 1,2-Dibromoethane                        | ND      | 0.500 | --  | ND      | 3.84 | --  |           | 2.5             |
| Tetrachloroethene                        | 1.02    | 0.500 | --  | 6.92    | 3.39 | --  |           | 2.5             |
| Chlorobenzene                            | ND      | 0.500 | --  | ND      | 2.30 | --  |           | 2.5             |
| Ethylbenzene                             | 2.52    | 0.500 | --  | 10.9    | 2.17 | --  |           | 2.5             |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-03 D

Date Collected: 04/25/18 14:25

Client ID: SV05\_042518

Date Received: 04/25/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| p/m-Xylene                               | 9.66    | 1.00  | --  | 42.0    | 4.34 | --  |           | 2.5             |
| Bromoform                                | ND      | 0.500 | --  | ND      | 5.17 | --  |           | 2.5             |
| Styrene                                  | 0.698   | 0.500 | --  | 2.97    | 2.13 | --  |           | 2.5             |
| 1,1,2,2-Tetrachloroethane                | ND      | 0.500 | --  | ND      | 3.43 | --  |           | 2.5             |
| o-Xylene                                 | 2.84    | 0.500 | --  | 12.3    | 2.17 | --  |           | 2.5             |
| 4-Ethyltoluene                           | 0.828   | 0.500 | --  | 4.07    | 2.46 | --  |           | 2.5             |
| 1,3,5-Trimethylbenzene                   | 0.578   | 0.500 | --  | 2.84    | 2.46 | --  |           | 2.5             |
| 1,2,4-Trimethylbenzene                   | 2.08    | 0.500 | --  | 10.2    | 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 | 100        |           | 60-140              |
| Bromochloromethane  | 84         |           | 60-140              |
| chlorobenzene-d5    | 95         |           | 60-140              |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814579**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-04 D  
 Client ID: SV06\_042518  
 Sample Location: 551 GREENWICH ST, MANHATTAN NY

Date Collected: 04/25/18 12:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 04/29/18 04:59  
 Analyst: MB

| Parameter                                | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Dichlorodifluoromethane                  | ND      | 29.2 | --  | ND      | 144  | --  |           | 146.2           |
| Chloromethane                            | ND      | 29.2 | --  | ND      | 60.3 | --  |           | 146.2           |
| Freon-114                                | ND      | 29.2 | --  | ND      | 204  | --  |           | 146.2           |
| Vinyl chloride                           | ND      | 29.2 | --  | ND      | 74.6 | --  |           | 146.2           |
| 1,3-Butadiene                            | ND      | 29.2 | --  | ND      | 64.6 | --  |           | 146.2           |
| Bromomethane                             | ND      | 29.2 | --  | ND      | 113  | --  |           | 146.2           |
| Chloroethane                             | ND      | 29.2 | --  | ND      | 77.1 | --  |           | 146.2           |
| Ethanol                                  | ND      | 731  | --  | ND      | 1380 | --  |           | 146.2           |
| Vinyl bromide                            | ND      | 29.2 | --  | ND      | 128  | --  |           | 146.2           |
| Acetone                                  | ND      | 146. | --  | ND      | 347  | --  |           | 146.2           |
| Trichlorofluoromethane                   | ND      | 29.2 | --  | ND      | 164  | --  |           | 146.2           |
| Isopropanol                              | ND      | 73.1 | --  | ND      | 180  | --  |           | 146.2           |
| 1,1-Dichloroethene                       | ND      | 29.2 | --  | ND      | 116  | --  |           | 146.2           |
| Tertiary butyl Alcohol                   | ND      | 73.1 | --  | ND      | 222  | --  |           | 146.2           |
| Methylene chloride                       | ND      | 73.1 | --  | ND      | 254  | --  |           | 146.2           |
| 3-Chloropropene                          | ND      | 29.2 | --  | ND      | 91.4 | --  |           | 146.2           |
| Carbon disulfide                         | ND      | 29.2 | --  | ND      | 90.9 | --  |           | 146.2           |
| Freon-113                                | ND      | 29.2 | --  | ND      | 224  | --  |           | 146.2           |
| trans-1,2-Dichloroethene                 | ND      | 29.2 | --  | ND      | 116  | --  |           | 146.2           |
| 1,1-Dichloroethane                       | ND      | 29.2 | --  | ND      | 118  | --  |           | 146.2           |
| Methyl tert butyl ether                  | ND      | 29.2 | --  | ND      | 105  | --  |           | 146.2           |
| 2-Butanone                               | ND      | 73.1 | --  | ND      | 216  | --  |           | 146.2           |
| cis-1,2-Dichloroethene                   | ND      | 29.2 | --  | ND      | 116  | --  |           | 146.2           |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-04 D

Date Collected: 04/25/18 12:10

Client ID: SV06\_042518

Date Received: 04/25/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Ethyl Acetate                            | ND      | 73.1 | --  | ND      | 263  | --  |           | 146.2           |
| Chloroform                               | ND      | 29.2 | --  | ND      | 143  | --  |           | 146.2           |
| Tetrahydrofuran                          | ND      | 73.1 | --  | ND      | 216  | --  |           | 146.2           |
| 1,2-Dichloroethane                       | ND      | 29.2 | --  | ND      | 118  | --  |           | 146.2           |
| n-Hexane                                 | 3600    | 29.2 | --  | 12700   | 103  | --  |           | 146.2           |
| 1,1,1-Trichloroethane                    | ND      | 29.2 | --  | ND      | 159  | --  |           | 146.2           |
| Benzene                                  | 1470    | 29.2 | --  | 4700    | 93.3 | --  |           | 146.2           |
| Carbon tetrachloride                     | ND      | 29.2 | --  | ND      | 184  | --  |           | 146.2           |
| Cyclohexane                              | 590     | 29.2 | --  | 2030    | 101  | --  |           | 146.2           |
| 1,2-Dichloropropane                      | ND      | 29.2 | --  | ND      | 135  | --  |           | 146.2           |
| Bromodichloromethane                     | ND      | 29.2 | --  | ND      | 196  | --  |           | 146.2           |
| 1,4-Dioxane                              | ND      | 29.2 | --  | ND      | 105  | --  |           | 146.2           |
| Trichloroethene                          | ND      | 29.2 | --  | ND      | 157  | --  |           | 146.2           |
| 2,2,4-Trimethylpentane                   | 6960    | 29.2 | --  | 32500   | 136  | --  |           | 146.2           |
| Heptane                                  | 531     | 29.2 | --  | 2180    | 120  | --  |           | 146.2           |
| cis-1,3-Dichloropropene                  | ND      | 29.2 | --  | ND      | 133  | --  |           | 146.2           |
| 4-Methyl-2-pentanone                     | ND      | 73.1 | --  | ND      | 300  | --  |           | 146.2           |
| trans-1,3-Dichloropropene                | ND      | 29.2 | --  | ND      | 133  | --  |           | 146.2           |
| 1,1,2-Trichloroethane                    | ND      | 29.2 | --  | ND      | 159  | --  |           | 146.2           |
| Toluene                                  | 673     | 29.2 | --  | 2540    | 110  | --  |           | 146.2           |
| 2-Hexanone                               | ND      | 29.2 | --  | ND      | 120  | --  |           | 146.2           |
| Dibromochloromethane                     | ND      | 29.2 | --  | ND      | 249  | --  |           | 146.2           |
| 1,2-Dibromoethane                        | ND      | 29.2 | --  | ND      | 224  | --  |           | 146.2           |
| Tetrachloroethene                        | ND      | 29.2 | --  | ND      | 198  | --  |           | 146.2           |
| Chlorobenzene                            | ND      | 29.2 | --  | ND      | 134  | --  |           | 146.2           |
| Ethylbenzene                             | ND      | 29.2 | --  | ND      | 127  | --  |           | 146.2           |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-04 D

Date Collected: 04/25/18 12:10

Client ID: SV06\_042518

Date Received: 04/25/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |      |     | ug/m3   |     |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|------|-----|---------|-----|-----|-----------|-----------------|
|                                          | Results | RL   | MDL | Results | RL  | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |      |     |         |     |     |           |                 |
| p/m-Xylene                               | ND      | 58.5 | --  | ND      | 254 | --  |           | 146.2           |
| Bromoform                                | ND      | 29.2 | --  | ND      | 302 | --  |           | 146.2           |
| Styrene                                  | ND      | 29.2 | --  | ND      | 124 | --  |           | 146.2           |
| 1,1,2,2-Tetrachloroethane                | ND      | 29.2 | --  | ND      | 201 | --  |           | 146.2           |
| o-Xylene                                 | ND      | 29.2 | --  | ND      | 127 | --  |           | 146.2           |
| 4-Ethyltoluene                           | ND      | 29.2 | --  | ND      | 144 | --  |           | 146.2           |
| 1,3,5-Trimethylbenzene                   | ND      | 29.2 | --  | ND      | 144 | --  |           | 146.2           |
| 1,2,4-Trimethylbenzene                   | ND      | 29.2 | --  | ND      | 144 | --  |           | 146.2           |
| Benzyl chloride                          | ND      | 29.2 | --  | ND      | 151 | --  |           | 146.2           |
| 1,3-Dichlorobenzene                      | ND      | 29.2 | --  | ND      | 176 | --  |           | 146.2           |
| 1,4-Dichlorobenzene                      | ND      | 29.2 | --  | ND      | 176 | --  |           | 146.2           |
| 1,2-Dichlorobenzene                      | ND      | 29.2 | --  | ND      | 176 | --  |           | 146.2           |
| 1,2,4-Trichlorobenzene                   | ND      | 29.2 | --  | ND      | 217 | --  |           | 146.2           |
| Hexachlorobutadiene                      | ND      | 29.2 | --  | ND      | 311 | --  |           | 146.2           |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 101        |           | 60-140              |
| Bromochloromethane  | 91         |           | 60-140              |
| chlorobenzene-d5    | 93         |           | 60-140              |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814579**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-05  
 Client ID: SV07\_042518  
 Sample Location: 551 GREENWICH ST, MANHATTAN NY

Date Collected: 04/25/18 12:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 04/29/18 04:24  
 Analyst: MB

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Dichlorodifluoromethane                  | 0.443   | 0.200 | --  | 2.19    | 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                                  | 51.4    | 1.00  | --  | 122     | 2.38  | --  |           | 1               |
| Trichlorofluoromethane                   | 0.207   | 0.200 | --  | 1.16    | 1.12  | --  |           | 1               |
| Isopropanol                              | ND      | 0.500 | --  | ND      | 1.23  | --  |           | 1               |
| 1,1-Dichloroethene                       | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Tertiary butyl Alcohol                   | 1.24    | 0.500 | --  | 3.76    | 1.52  | --  |           | 1               |
| Methylene chloride                       | ND      | 0.500 | --  | ND      | 1.74  | --  |           | 1               |
| 3-Chloropropene                          | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide                         | 1.33    | 0.200 | --  | 4.14    | 0.623 | --  |           | 1               |
| Freon-113                                | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                 | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 1,1-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                  | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| 2-Butanone                               | 8.43    | 0.500 | --  | 24.9    | 1.47  | --  |           | 1               |
| cis-1,2-Dichloroethene                   | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-05

Date Collected: 04/25/18 12:10

Client ID: SV07\_042518

Date Received: 04/25/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Ethyl Acetate                            | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform                               | ND      | 0.200 | --  | ND      | 0.977 | --  |           | 1               |
| Tetrahydrofuran                          | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| 1,2-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane                                 | 0.422   | 0.200 | --  | 1.49    | 0.705 | --  |           | 1               |
| 1,1,1-Trichloroethane                    | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Benzene                                  | 0.614   | 0.200 | --  | 1.96    | 0.639 | --  |           | 1               |
| Carbon tetrachloride                     | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane                              | ND      | 0.200 | --  | ND      | 0.688 | --  |           | 1               |
| 1,2-Dichloropropane                      | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| Bromodichloromethane                     | ND      | 0.200 | --  | ND      | 1.34  | --  |           | 1               |
| 1,4-Dioxane                              | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| Trichloroethene                          | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |
| 2,2,4-Trimethylpentane                   | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Heptane                                  | 0.557   | 0.200 | --  | 2.28    | 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                                  | 7.92    | 0.200 | --  | 29.8    | 0.754 | --  |           | 1               |
| 2-Hexanone                               | 4.83    | 0.200 | --  | 19.8    | 0.820 | --  |           | 1               |
| Dibromochloromethane                     | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane                        | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Tetrachloroethene                        | 0.802   | 0.200 | --  | 5.44    | 1.36  | --  |           | 1               |
| Chlorobenzene                            | ND      | 0.200 | --  | ND      | 0.921 | --  |           | 1               |
| Ethylbenzene                             | 2.03    | 0.200 | --  | 8.82    | 0.869 | --  |           | 1               |





**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-05

Date Collected: 04/25/18 12:10

Client ID: SV07\_042518

Date Received: 04/25/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| p/m-Xylene                               | 8.30    | 0.400 | --  | 36.1    | 1.74  | --  |           | 1               |
| Bromoform                                | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                  | 0.333   | 0.200 | --  | 1.42    | 0.852 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene                                 | 2.38    | 0.200 | --  | 10.3    | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                           | 0.652   | 0.200 | --  | 3.21    | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                   | 0.497   | 0.200 | --  | 2.44    | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                   | 1.79    | 0.200 | --  | 8.80    | 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  | 90         |           | 60-140              |
| chlorobenzene-d5    | 93         |           | 60-140              |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814579**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-06  
 Client ID: AA01\_042518  
 Sample Location: 551 GREENWICH ST, MANHATTAN NY

Date Collected: 04/25/18 12:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 04/28/18 17:34  
 Analyst: MB

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Dichlorodifluoromethane                  | 0.406   | 0.200 | --  | 2.01    | 0.989 | --  |           | 1               |
| Chloromethane                            | 0.464   | 0.200 | --  | 0.958   | 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                                  | 7.00    | 5.00  | --  | 13.2    | 9.42  | --  |           | 1               |
| Vinyl bromide                            | ND      | 0.200 | --  | ND      | 0.874 | --  |           | 1               |
| Acetone                                  | 1.77    | 1.00  | --  | 4.20    | 2.38  | --  |           | 1               |
| Trichlorofluoromethane                   | ND      | 0.200 | --  | ND      | 1.12  | --  |           | 1               |
| Isopropanol                              | 0.544   | 0.500 | --  | 1.34    | 1.23  | --  |           | 1               |
| 1,1-Dichloroethene                       | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Tertiary butyl Alcohol                   | ND      | 0.500 | --  | ND      | 1.52  | --  |           | 1               |
| Methylene chloride                       | ND      | 0.500 | --  | ND      | 1.74  | --  |           | 1               |
| 3-Chloropropene                          | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide                         | ND      | 0.200 | --  | ND      | 0.623 | --  |           | 1               |
| Freon-113                                | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                 | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 1,1-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                  | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| 2-Butanone                               | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| cis-1,2-Dichloroethene                   | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-06

Date Collected: 04/25/18 12:10

Client ID: AA01\_042518

Date Received: 04/25/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Ethyl Acetate                            | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform                               | ND      | 0.200 | --  | ND      | 0.977 | --  |           | 1               |
| Tetrahydrofuran                          | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| 1,2-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane                                 | 0.341   | 0.200 | --  | 1.20    | 0.705 | --  |           | 1               |
| 1,1,1-Trichloroethane                    | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Benzene                                  | 0.526   | 0.200 | --  | 1.68    | 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                   | 0.254   | 0.200 | --  | 1.19    | 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                                  | 0.893   | 0.200 | --  | 3.37    | 0.754 | --  |           | 1               |
| 2-Hexanone                               | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| Dibromochloromethane                     | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane                        | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Tetrachloroethene                        | ND      | 0.200 | --  | ND      | 1.36  | --  |           | 1               |
| Chlorobenzene                            | ND      | 0.200 | --  | ND      | 0.921 | --  |           | 1               |
| Ethylbenzene                             | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814579-06

Date Collected: 04/25/18 12:10

Client ID: AA01\_042518

Date Received: 04/25/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| p/m-Xylene                               | 0.556   | 0.400 | --  | 2.42    | 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                                 | 0.208   | 0.200 | --  | 0.903   | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                           | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                   | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                   | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Benzyl chloride                          | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2-Dichlorobenzene                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                   | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene                      | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 94         |           | 60-140              |
| Bromochloromethane  | 93         |           | 60-140              |
| chlorobenzene-d5    | 93         |           | 60-140              |



Project Name: 551 GREENWICH STREET

Lab Number: L1814579

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/28/18 14:58

| Parameter                                                                           | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                     | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01,04-06 Batch: WG1110808-4 |         |       |     |         |       |     |           |                 |
| 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               |
| Ethyl Acetate                                                                       | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |



Project Name: 551 GREENWICH STREET

Lab Number: L1814579

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/28/18 14:58

| Parameter                                                                           | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                     | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01,04-06 Batch: WG1110808-4 |         |       |     |         |       |     |           |                 |
| 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               |
| Ethylbenzene                                                                        | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/28/18 14:58

| Parameter                                                                           | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                     | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01,04-06 Batch: WG1110808-4 |         |       |     |         |       |     |           |                 |
| p/m-Xylene                                                                          | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |
| Bromoform                                                                           | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                                                             | ND      | 0.200 | --  | ND      | 0.852 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                                                           | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene                                                                            | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                                                                      | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                                              | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                                              | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Benzyl chloride                                                                     | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                                                                 | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene                                                                 | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2-Dichlorobenzene                                                                 | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                                              | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene                                                                 | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/01/18 14:47

| Parameter                                                                        | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|----------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                  | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 02-03 Batch: WG1111482-4 |         |       |     |         |       |     |           |                 |
| 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               |
| Ethyl Acetate                                                                    | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |





**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/01/18 14:47

| Parameter                                                                        | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|----------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                  | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 02-03 Batch: WG1111482-4 |         |       |     |         |       |     |           |                 |
| 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               |
| Ethylbenzene                                                                     | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/01/18 14:47

| Parameter                                                                        | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|----------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                  | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 02-03 Batch: WG1111482-4 |         |       |     |         |       |     |           |                 |
| p/m-Xylene                                                                       | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |
| Bromoform                                                                        | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                                                          | ND      | 0.200 | --  | ND      | 0.852 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                                                        | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene                                                                         | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                                                                   | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                                           | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                                           | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Benzyl chloride                                                                  | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                                                              | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene                                                              | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2-Dichlorobenzene                                                              | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                                           | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene                                                              | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| Parameter                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04-06 Batch: WG1110808-3 |                  |      |                   |      |                     |     |      |               |
| Chlorodifluoromethane                                                                      | 83               |      | -                 |      | 70-130              | -   |      |               |
| Dichlorodifluoromethane                                                                    | 89               |      | -                 |      | 70-130              | -   |      |               |
| Chloromethane                                                                              | 84               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane                                                     | 93               |      | -                 |      | 70-130              | -   |      |               |
| Methanol                                                                                   | 78               |      | -                 |      | 70-130              | -   |      |               |
| Vinyl chloride                                                                             | 83               |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Butadiene                                                                              | 98               |      | -                 |      | 70-130              | -   |      |               |
| Butane                                                                                     | 72               |      | -                 |      | 70-130              | -   |      |               |
| Bromomethane                                                                               | 84               |      | -                 |      | 70-130              | -   |      |               |
| Chloroethane                                                                               | 108              |      | -                 |      | 70-130              | -   |      |               |
| Ethyl Alcohol                                                                              | 79               |      | -                 |      | 70-130              | -   |      |               |
| Dichlorofluoromethane                                                                      | 74               |      | -                 |      | 70-130              | -   |      |               |
| Vinyl bromide                                                                              | 88               |      | -                 |      | 70-130              | -   |      |               |
| Acrolein                                                                                   | 78               |      | -                 |      | 70-130              | -   |      |               |
| Acetone                                                                                    | 79               |      | -                 |      | 70-130              | -   |      |               |
| Trichlorofluoromethane                                                                     | 80               |      | -                 |      | 70-130              | -   |      |               |
| iso-Propyl Alcohol                                                                         | 70               |      | -                 |      | 70-130              | -   |      |               |
| Acrylonitrile                                                                              | 79               |      | -                 |      | 70-130              | -   |      |               |
| Pentane                                                                                    | 70               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl ether                                                                                | 71               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloroethene                                                                         | 80               |      | -                 |      | 70-130              | -   |      |               |
| tert-Butyl Alcohol                                                                         | 73               |      | -                 |      | 70-130              | -   |      |               |
| Methylene chloride                                                                         | 83               |      | -                 |      | 70-130              | -   |      |               |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| Parameter                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04-06 Batch: WG1110808-3 |                  |      |                   |      |                     |     |      |               |
| 3-Chloropropene                                                                            | 101              |      | -                 |      | 70-130              | -   |      |               |
| Carbon disulfide                                                                           | 95               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                      | 95               |      | -                 |      | 70-130              | -   |      |               |
| trans-1,2-Dichloroethene                                                                   | 95               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloroethane                                                                         | 92               |      | -                 |      | 70-130              | -   |      |               |
| Methyl tert butyl ether                                                                    | 92               |      | -                 |      | 70-130              | -   |      |               |
| Vinyl acetate                                                                              | 109              |      | -                 |      | 70-130              | -   |      |               |
| 2-Butanone                                                                                 | 92               |      | -                 |      | 70-130              | -   |      |               |
| cis-1,2-Dichloroethene                                                                     | 91               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl Acetate                                                                              | 98               |      | -                 |      | 70-130              | -   |      |               |
| Chloroform                                                                                 | 96               |      | -                 |      | 70-130              | -   |      |               |
| Tetrahydrofuran                                                                            | 89               |      | -                 |      | 70-130              | -   |      |               |
| 2,2-Dichloropropane                                                                        | 85               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloroethane                                                                         | 84               |      | -                 |      | 70-130              | -   |      |               |
| n-Hexane                                                                                   | 95               |      | -                 |      | 70-130              | -   |      |               |
| Isopropyl Ether                                                                            | 81               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl-Tert-Butyl-Ether                                                                     | 72               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,1-Trichloroethane                                                                      | 106              |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloropropene                                                                        | 91               |      | -                 |      | 70-130              | -   |      |               |
| Benzene                                                                                    | 92               |      | -                 |      | 70-130              | -   |      |               |
| Carbon tetrachloride                                                                       | 94               |      | -                 |      | 70-130              | -   |      |               |
| Cyclohexane                                                                                | 98               |      | -                 |      | 70-130              | -   |      |               |
| Tertiary-Amyl Methyl Ether                                                                 | 79               |      | -                 |      | 70-130              | -   |      |               |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| Parameter                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04-06 Batch: WG1110808-3 |                  |      |                   |      |                     |     |      |               |
| Dibromomethane                                                                             | 85               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloropropane                                                                        | 86               |      | -                 |      | 70-130              | -   |      |               |
| Bromodichloromethane                                                                       | 102              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dioxane                                                                                | 98               |      | -                 |      | 70-130              | -   |      |               |
| Trichloroethene                                                                            | 93               |      | -                 |      | 70-130              | -   |      |               |
| 2,2,4-Trimethylpentane                                                                     | 98               |      | -                 |      | 70-130              | -   |      |               |
| Methyl Methacrylate                                                                        | 101              |      | -                 |      | 70-130              | -   |      |               |
| Heptane                                                                                    | 91               |      | -                 |      | 70-130              | -   |      |               |
| cis-1,3-Dichloropropene                                                                    | 98               |      | -                 |      | 70-130              | -   |      |               |
| 4-Methyl-2-pentanone                                                                       | 95               |      | -                 |      | 70-130              | -   |      |               |
| trans-1,3-Dichloropropene                                                                  | 84               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2-Trichloroethane                                                                      | 94               |      | -                 |      | 70-130              | -   |      |               |
| Toluene                                                                                    | 95               |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Dichloropropane                                                                        | 92               |      | -                 |      | 70-130              | -   |      |               |
| 2-Hexanone                                                                                 | 99               |      | -                 |      | 70-130              | -   |      |               |
| Dibromochloromethane                                                                       | 116              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dibromoethane                                                                          | 101              |      | -                 |      | 70-130              | -   |      |               |
| Butyl Acetate                                                                              | 98               |      | -                 |      | 70-130              | -   |      |               |
| Octane                                                                                     | 93               |      | -                 |      | 70-130              | -   |      |               |
| Tetrachloroethene                                                                          | 100              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,1,2-Tetrachloroethane                                                                  | 96               |      | -                 |      | 70-130              | -   |      |               |
| Chlorobenzene                                                                              | 102              |      | -                 |      | 70-130              | -   |      |               |
| Ethylbenzene                                                                               | 98               |      | -                 |      | 70-130              | -   |      |               |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| Parameter                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04-06 Batch: WG1110808-3 |                  |      |                   |      |                     |     |      |               |
| p/m-Xylene                                                                                 | 98               |      | -                 |      | 70-130              | -   |      |               |
| Bromoform                                                                                  | 120              |      | -                 |      | 70-130              | -   |      |               |
| Styrene                                                                                    | 102              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2,2-Tetrachloroethane                                                                  | 104              |      | -                 |      | 70-130              | -   |      |               |
| o-Xylene                                                                                   | 101              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,3-Trichloropropane                                                                     | 94               |      | -                 |      | 70-130              | -   |      |               |
| Nonane (C9)                                                                                | 88               |      | -                 |      | 70-130              | -   |      |               |
| Isopropylbenzene                                                                           | 100              |      | -                 |      | 70-130              | -   |      |               |
| Bromobenzene                                                                               | 95               |      | -                 |      | 70-130              | -   |      |               |
| o-Chlorotoluene                                                                            | 94               |      | -                 |      | 70-130              | -   |      |               |
| n-Propylbenzene                                                                            | 95               |      | -                 |      | 70-130              | -   |      |               |
| p-Chlorotoluene                                                                            | 90               |      | -                 |      | 70-130              | -   |      |               |
| 4-Ethyltoluene                                                                             | 105              |      | -                 |      | 70-130              | -   |      |               |
| 1,3,5-Trimethylbenzene                                                                     | 102              |      | -                 |      | 70-130              | -   |      |               |
| tert-Butylbenzene                                                                          | 98               |      | -                 |      | 70-130              | -   |      |               |
| 1,2,4-Trimethylbenzene                                                                     | 105              |      | -                 |      | 70-130              | -   |      |               |
| Decane (C10)                                                                               | 93               |      | -                 |      | 70-130              | -   |      |               |
| Benzyl chloride                                                                            | 109              |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Dichlorobenzene                                                                        | 102              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dichlorobenzene                                                                        | 101              |      | -                 |      | 70-130              | -   |      |               |
| sec-Butylbenzene                                                                           | 98               |      | -                 |      | 70-130              | -   |      |               |
| p-Isopropyltoluene                                                                         | 91               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichlorobenzene                                                                        | 101              |      | -                 |      | 70-130              | -   |      |               |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| <b>Parameter</b>                                                                           | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|--------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04-06 Batch: WG1110808-3 |                          |             |                           |             |                             |            |             |                       |
| n-Butylbenzene                                                                             | 95                       |             | -                         |             | 70-130                      | -          |             |                       |
| 1,2-Dibromo-3-chloropropane                                                                | 96                       |             | -                         |             | 70-130                      | -          |             |                       |
| Undecane                                                                                   | 96                       |             | -                         |             | 70-130                      | -          |             |                       |
| Dodecane (C12)                                                                             | 100                      |             | -                         |             | 70-130                      | -          |             |                       |
| 1,2,4-Trichlorobenzene                                                                     | 92                       |             | -                         |             | 70-130                      | -          |             |                       |
| Naphthalene                                                                                | 88                       |             | -                         |             | 70-130                      | -          |             |                       |
| 1,2,3-Trichlorobenzene                                                                     | 95                       |             | -                         |             | 70-130                      | -          |             |                       |
| Hexachlorobutadiene                                                                        | 104                      |             | -                         |             | 70-130                      | -          |             |                       |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| Parameter                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03 Batch: WG1111482-3 |                  |      |                   |      |                     |     |      |               |
| Chlorodifluoromethane                                                                   | 73               |      | -                 |      | 70-130              | -   |      |               |
| Dichlorodifluoromethane                                                                 | 89               |      | -                 |      | 70-130              | -   |      |               |
| Chloromethane                                                                           | 70               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane                                                  | 94               |      | -                 |      | 70-130              | -   |      |               |
| Methanol                                                                                | 63               | Q    | -                 |      | 70-130              | -   |      |               |
| Vinyl chloride                                                                          | 82               |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Butadiene                                                                           | 91               |      | -                 |      | 70-130              | -   |      |               |
| Butane                                                                                  | 66               | Q    | -                 |      | 70-130              | -   |      |               |
| Bromomethane                                                                            | 97               |      | -                 |      | 70-130              | -   |      |               |
| Chloroethane                                                                            | 90               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl Alcohol                                                                           | 83               |      | -                 |      | 70-130              | -   |      |               |
| Dichlorofluoromethane                                                                   | 91               |      | -                 |      | 70-130              | -   |      |               |
| Vinyl bromide                                                                           | 104              |      | -                 |      | 70-130              | -   |      |               |
| Acrolein                                                                                | 86               |      | -                 |      | 70-130              | -   |      |               |
| Acetone                                                                                 | 113              |      | -                 |      | 70-130              | -   |      |               |
| Acetonitrile                                                                            | 78               |      | -                 |      | 70-130              | -   |      |               |
| Trichlorofluoromethane                                                                  | 111              |      | -                 |      | 70-130              | -   |      |               |
| iso-Propyl Alcohol                                                                      | 88               |      | -                 |      | 70-130              | -   |      |               |
| Acrylonitrile                                                                           | 93               |      | -                 |      | 70-130              | -   |      |               |
| Pentane                                                                                 | 91               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl ether                                                                             | 92               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloroethene                                                                      | 99               |      | -                 |      | 70-130              | -   |      |               |
| tert-Butyl Alcohol                                                                      | 94               |      | -                 |      | 70-130              | -   |      |               |



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| Parameter                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03 Batch: WG1111482-3 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                      | 104              |      | -                 |      | 70-130              | -   |      |               |
| 3-Chloropropene                                                                         | 101              |      | -                 |      | 70-130              | -   |      |               |
| Carbon disulfide                                                                        | 97               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                   | 102              |      | -                 |      | 70-130              | -   |      |               |
| trans-1,2-Dichloroethene                                                                | 98               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloroethane                                                                      | 88               |      | -                 |      | 70-130              | -   |      |               |
| Methyl tert butyl ether                                                                 | 90               |      | -                 |      | 70-130              | -   |      |               |
| Vinyl acetate                                                                           | 108              |      | -                 |      | 70-130              | -   |      |               |
| 2-Butanone                                                                              | 96               |      | -                 |      | 70-130              | -   |      |               |
| cis-1,2-Dichloroethene                                                                  | 90               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl Acetate                                                                           | 102              |      | -                 |      | 70-130              | -   |      |               |
| Chloroform                                                                              | 100              |      | -                 |      | 70-130              | -   |      |               |
| Tetrahydrofuran                                                                         | 94               |      | -                 |      | 70-130              | -   |      |               |
| 2,2-Dichloropropane                                                                     | 90               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloroethane                                                                      | 95               |      | -                 |      | 70-130              | -   |      |               |
| n-Hexane                                                                                | 95               |      | -                 |      | 70-130              | -   |      |               |
| Isopropyl Ether                                                                         | 88               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl-Tert-Butyl-Ether                                                                  | 80               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,1-Trichloroethane                                                                   | 97               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloropropene                                                                     | 84               |      | -                 |      | 70-130              | -   |      |               |
| Benzene                                                                                 | 91               |      | -                 |      | 70-130              | -   |      |               |
| Carbon tetrachloride                                                                    | 105              |      | -                 |      | 70-130              | -   |      |               |
| Cyclohexane                                                                             | 89               |      | -                 |      | 70-130              | -   |      |               |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| Parameter                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03 Batch: WG1111482-3 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                              | 80               |      | -                 |      | 70-130              | -   |      |               |
| Dibromomethane                                                                          | 94               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloropropane                                                                     | 93               |      | -                 |      | 70-130              | -   |      |               |
| Bromodichloromethane                                                                    | 104              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dioxane                                                                             | 101              |      | -                 |      | 70-130              | -   |      |               |
| Trichloroethene                                                                         | 100              |      | -                 |      | 70-130              | -   |      |               |
| 2,2,4-Trimethylpentane                                                                  | 97               |      | -                 |      | 70-130              | -   |      |               |
| Methyl Methacrylate                                                                     | 108              |      | -                 |      | 70-130              | -   |      |               |
| Heptane                                                                                 | 96               |      | -                 |      | 70-130              | -   |      |               |
| cis-1,3-Dichloropropene                                                                 | 88               |      | -                 |      | 70-130              | -   |      |               |
| 4-Methyl-2-pentanone                                                                    | 100              |      | -                 |      | 70-130              | -   |      |               |
| trans-1,3-Dichloropropene                                                               | 84               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2-Trichloroethane                                                                   | 102              |      | -                 |      | 70-130              | -   |      |               |
| Toluene                                                                                 | 96               |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Dichloropropane                                                                     | 90               |      | -                 |      | 70-130              | -   |      |               |
| 2-Hexanone                                                                              | 108              |      | -                 |      | 70-130              | -   |      |               |
| Dibromochloromethane                                                                    | 119              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dibromoethane                                                                       | 104              |      | -                 |      | 70-130              | -   |      |               |
| Butyl Acetate                                                                           | 85               |      | -                 |      | 70-130              | -   |      |               |
| Octane                                                                                  | 82               |      | -                 |      | 70-130              | -   |      |               |
| Tetrachloroethene                                                                       | 106              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,1,2-Tetrachloroethane                                                               | 103              |      | -                 |      | 70-130              | -   |      |               |
| Chlorobenzene                                                                           | 101              |      | -                 |      | 70-130              | -   |      |               |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| Parameter                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03 Batch: WG1111482-3 |                  |      |                   |      |                     |     |      |               |
| Ethylbenzene                                                                            | 98               |      | -                 |      | 70-130              | -   |      |               |
| p/m-Xylene                                                                              | 100              |      | -                 |      | 70-130              | -   |      |               |
| Bromoform                                                                               | 124              |      | -                 |      | 70-130              | -   |      |               |
| Styrene                                                                                 | 100              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2,2-Tetrachloroethane                                                               | 111              |      | -                 |      | 70-130              | -   |      |               |
| o-Xylene                                                                                | 105              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,3-Trichloropropane                                                                  | 94               |      | -                 |      | 70-130              | -   |      |               |
| Nonane (C9)                                                                             | 91               |      | -                 |      | 70-130              | -   |      |               |
| Isopropylbenzene                                                                        | 96               |      | -                 |      | 70-130              | -   |      |               |
| Bromobenzene                                                                            | 92               |      | -                 |      | 70-130              | -   |      |               |
| o-Chlorotoluene                                                                         | 103              |      | -                 |      | 70-130              | -   |      |               |
| n-Propylbenzene                                                                         | 102              |      | -                 |      | 70-130              | -   |      |               |
| p-Chlorotoluene                                                                         | 94               |      | -                 |      | 70-130              | -   |      |               |
| 4-Ethyltoluene                                                                          | 109              |      | -                 |      | 70-130              | -   |      |               |
| 1,3,5-Trimethylbenzene                                                                  | 103              |      | -                 |      | 70-130              | -   |      |               |
| tert-Butylbenzene                                                                       | 103              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,4-Trimethylbenzene                                                                  | 111              |      | -                 |      | 70-130              | -   |      |               |
| Decane (C10)                                                                            | 92               |      | -                 |      | 70-130              | -   |      |               |
| Benzyl chloride                                                                         | 123              |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Dichlorobenzene                                                                     | 116              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dichlorobenzene                                                                     | 109              |      | -                 |      | 70-130              | -   |      |               |
| sec-Butylbenzene                                                                        | 100              |      | -                 |      | 70-130              | -   |      |               |
| p-Isopropyltoluene                                                                      | 100              |      | -                 |      | 70-130              | -   |      |               |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| <b>Parameter</b>                                                                        | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|-----------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03 Batch: WG1111482-3 |                          |             |                           |             |                             |            |             |                       |
| 1,2-Dichlorobenzene                                                                     | 117                      |             | -                         |             | 70-130                      | -          |             |                       |
| n-Butylbenzene                                                                          | 104                      |             | -                         |             | 70-130                      | -          |             |                       |
| 1,2-Dibromo-3-chloropropane                                                             | 108                      |             | -                         |             | 70-130                      | -          |             |                       |
| Undecane                                                                                | 103                      |             | -                         |             | 70-130                      | -          |             |                       |
| Dodecane (C12)                                                                          | 118                      |             | -                         |             | 70-130                      | -          |             |                       |
| 1,2,4-Trichlorobenzene                                                                  | 144                      | Q           | -                         |             | 70-130                      | -          |             |                       |
| Naphthalene                                                                             | 114                      |             | -                         |             | 70-130                      | -          |             |                       |
| 1,2,3-Trichlorobenzene                                                                  | 137                      | Q           | -                         |             | 70-130                      | -          |             |                       |
| Hexachlorobutadiene                                                                     | 138                      | Q           | -                         |             | 70-130                      | -          |             |                       |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Lab Number:** L1814579  
**Report Date:** 05/02/18

| Parameter                                                                                                                                      | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04-06 QC Batch ID: WG1110808-5 QC Sample: L1800004-183 Client ID: DUP Sample |               |                  |       |     |      |            |
| Vinyl chloride                                                                                                                                 | ND            | ND               | ppbV  | NC  |      | 25         |
| Bromomethane                                                                                                                                   | ND            | ND               | ppbV  | NC  |      | 25         |
| Acetone                                                                                                                                        | ND            | 1.11             | ppbV  | NC  |      | 25         |
| 1,1-Dichloroethene                                                                                                                             | ND            | ND               | ppbV  | NC  |      | 25         |
| Methylene chloride                                                                                                                             | 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         |
| cis-1,2-Dichloroethene                                                                                                                         | 0.665         | 0.785            | ppbV  | 17  |      | 25         |
| Chloroform                                                                                                                                     | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,2-Dichloroethane                                                                                                                             | 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         |
| 1,2-Dichloropropane                                                                                                                            | ND            | ND               | ppbV  | NC  |      | 25         |
| Bromodichloromethane                                                                                                                           | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,4-Dioxane                                                                                                                                    | ND            | ND               | ppbV  | NC  |      | 25         |
| Trichloroethene                                                                                                                                | 0.344         | 0.386            | ppbV  | 12  |      | 25         |
| cis-1,3-Dichloropropene                                                                                                                        | ND            | ND               | ppbV  | NC  |      | 25         |
| 4-Methyl-2-pentanone                                                                                                                           | ND            | ND               | ppbV  | NC  |      | 25         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| Parameter                                                                                                                                      | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04-06 QC Batch ID: WG1110808-5 QC Sample: L1800004-183 Client ID: DUP Sample |               |                  |       |     |      |            |
| trans-1,3-Dichloropropene                                                                                                                      | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1,2-Trichloroethane                                                                                                                          | ND            | ND               | ppbV  | NC  |      | 25         |
| Toluene                                                                                                                                        | ND            | ND               | ppbV  | NC  |      | 25         |
| Dibromochloromethane                                                                                                                           | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,2-Dibromoethane                                                                                                                              | ND            | ND               | ppbV  | NC  |      | 25         |
| Tetrachloroethene                                                                                                                              | ND            | ND               | ppbV  | NC  |      | 25         |
| Chlorobenzene                                                                                                                                  | ND            | ND               | ppbV  | NC  |      | 25         |
| Ethylbenzene                                                                                                                                   | ND            | ND               | ppbV  | NC  |      | 25         |
| p/m-Xylene                                                                                                                                     | 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         |
| 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         |
| Naphthalene                                                                                                                                    | ND            | ND               | ppbV  | NC  |      | 25         |
| Hexachlorobutadiene                                                                                                                            | ND            | ND               | ppbV  | NC  |      | 25         |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Lab Number:** L1814579  
**Report Date:** 05/02/18

| Parameter                                                                                                                                  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1111482-5 QC Sample: L1815115-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Dichlorodifluoromethane                                                                                                                    | 0.354         | 0.412            | ppbV  | 15  |      | 25         |
| Chloromethane                                                                                                                              | 1.19          | 1.22             | 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                                                                                                                              | 978E          | 954E             | ppbV  | 11  |      | 25         |
| Vinyl bromide                                                                                                                              | ND            | ND               | ppbV  | NC  |      | 25         |
| Acetone                                                                                                                                    | 23.4          | 24.1             | ppbV  | 3   |      | 25         |
| Trichlorofluoromethane                                                                                                                     | 0.352         | 0.364            | ppbV  | 3   |      | 25         |
| iso-Propyl Alcohol                                                                                                                         | 7.78          | 8.46             | ppbV  | 8   |      | 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                                                                                                                                 | 1.70          | 1.83             | ppbV  | 7   |      | 25         |
| Ethyl Acetate                                                                                                                              | 2.68          | 2.88             | ppbV  | 7   |      | 25         |

# Lab Duplicate Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814579

Report Date: 05/02/18

| Parameter                                                                                                                                  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1111482-5 QC Sample: L1815115-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Chloroform                                                                                                                                 | 2.94          | 2.91             | ppbV  | 1   |      | 25         |
| Tetrahydrofuran                                                                                                                            | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,2-Dichloroethane                                                                                                                         | ND            | ND               | ppbV  | NC  |      | 25         |
| n-Hexane                                                                                                                                   | 4.64          | 5.04             | ppbV  | 8   |      | 25         |
| Benzene                                                                                                                                    | 1.48          | 1.47             | ppbV  | 1   |      | 25         |
| Cyclohexane                                                                                                                                | 1.05          | 1.06             | ppbV  | 1   |      | 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                                                                                                                     | 0.904         | 0.933            | ppbV  | 3   |      | 25         |
| Heptane                                                                                                                                    | 0.844         | 0.885            | ppbV  | 5   |      | 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                                                                                                                                    | 3.76          | 3.56             | ppbV  | 5   |      | 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                                                                                                                               | 0.255         | 0.264            | ppbV  | 3   |      | 25         |



# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814579

**Report Date:** 05/02/18

| Parameter                                                                                                                                  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1111482-5 QC Sample: L1815115-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| p/m-Xylene                                                                                                                                 | 0.828         | 0.801            | ppbV  | 3   |      | 25         |
| Bromoform                                                                                                                                  | ND            | ND               | ppbV  | NC  |      | 25         |
| Styrene                                                                                                                                    | 0.282         | 0.271            | ppbV  | 4   |      | 25         |
| 1,1,2,2-Tetrachloroethane                                                                                                                  | ND            | ND               | ppbV  | NC  |      | 25         |
| o-Xylene                                                                                                                                   | 0.320         | 0.314            | ppbV  | 2   |      | 25         |
| 4-Ethyltoluene                                                                                                                             | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,3,5-Trimethylbenzene                                                                                                                     | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,2,4-Trimethylbenzene                                                                                                                     | 0.224         | 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): 02-03 QC Batch ID: WG1111482-5 QC Sample: L1815115-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Ethyl Alcohol                                                                                                                              | 854           | 857              | ppbV  | 13  |      | 25         |

Project Name: 551 GREENWICH STREET

Serial\_No:05021814:59  
Lab Number: L1814579

Project Number: 190043701

Report Date: 05/02/18

### 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 Controller Leak Chk | Flow Out mL/min | Flow In mL/min | % RPD |
|-------------|-----------------|----------|------------|---------------|--------------|-------------------|----------------|---------------------------|------------------------------|--------------------------|-----------------|----------------|-------|
| L1814579-01 | SV02_042518     | 0753     | Flow 3     | 04/23/18      | 263272       |                   | -              | -                         | -                            | Pass                     | 39.2            | 37.7           | 4     |
| L1814579-01 | SV02_042518     | 2109     | 6.0L Can   | 04/23/18      | 263272       | L1813620-02       | Pass           | -30.0                     | -6.5                         | -                        | -               | -              | -     |
| L1814579-02 | SV03_042518     | 0646     | Flow 4     | 04/23/18      | 263272       |                   | -              | -                         | -                            | Pass                     | 39.8            | 38.7           | 3     |
| L1814579-02 | SV03_042518     | 1644     | 6.0L Can   | 04/23/18      | 264075       | L1813767-02       | Pass           | -30.0                     | -6.1                         | -                        | -               | -              | -     |
| L1814579-03 | SV05_042518     | 0677     | Flow 3     | 04/23/18      | 263272       |                   | -              | -                         | -                            | Pass                     | 40.0            | 40.2           | 0     |
| L1814579-03 | SV05_042518     | 2057     | 6.0L Can   | 04/23/18      | 263272       | L1813620-01       | Pass           | -29.9                     | -7.0                         | -                        | -               | -              | -     |
| L1814579-04 | SV06_042518     | 0971     | Flow 3     | 04/23/18      | 263272       |                   | -              | -                         | -                            | Pass                     | 40.0            | 44.9           | 12    |
| L1814579-04 | SV06_042518     | 1672     | 6.0L Can   | 04/23/18      | 263272       | L1813620-01       | Pass           | -30.0                     | -1.5                         | -                        | -               | -              | -     |
| L1814579-05 | SV07_042518     | 0426     | Flow 3     | 04/23/18      | 263272       |                   | -              | -                         | -                            | Pass                     | 40.0            | 39.5           | 1     |
| L1814579-05 | SV07_042518     | 1937     | 6.0L Can   | 04/23/18      | 263272       | L1813620-01       | Pass           | -30.0                     | -4.0                         | -                        | -               | -              | -     |
| L1814579-06 | AA01_042518     | 0310     | Flow 3     | 04/23/18      | 264075       |                   | -              | -                         | -                            | Pass                     | 39.4            | 42.5           | 8     |
| L1814579-06 | AA01_042518     | 1060     | 6.0L Can   | 04/23/18      | 264075       | L1813767-02       | Pass           | -30.0                     | -2.7                         | -                        | -               | -              | -     |
| L1814579-07 | UNUSED CAN #900 | 900      | 6.0L Can   | -             | -            |                   | -              | -                         | -28.2                        | -                        | -               | -              | -     |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 04/19/18 16:31  
**Analyst:** RY

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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               |
| 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               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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               |
| o-Xylene                                 | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 1,2,3-Trichloropropane                   | ND      | 0.200 | --  | ND      | 1.21  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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:** L1813620**Project Number:** CANISTER QC BAT**Report Date:** 05/02/18**Air Canister Certification Results**

Lab ID: L1813620-01

Date Collected: 04/18/18 16:00

Client ID: CAN 1678 SHELF 51

Date Received: 04/19/18

Sample Location:

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |    |     | ug/m3   |    |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|----|-----|---------|----|-----|-----------|-----------------|
|                                          | Results | RL | MDL | Results | RL | MDL |           |                 |
| 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 | 86         |           | 60-140              |
| Bromochloromethane  | 101        |           | 60-140              |
| chlorobenzene-d5    | 90         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15-SIM  
**Analytical Date:** 04/19/18 16:31  
**Analyst:** RY

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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  | 103        |           | 60-140              |
| chlorobenzene-d5    | 90         |           | 60-140              |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-02  
**Client ID:** CAN 1661 SHELF 52  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 04/19/18 17:03  
**Analyst:** RY

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-02  
**Client ID:** CAN 1661 SHELF 52  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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               |
| 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               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-02  
**Client ID:** CAN 1661 SHELF 52  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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               |
| o-Xylene                                 | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 1,2,3-Trichloropropane                   | ND      | 0.200 | --  | ND      | 1.21  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-02  
**Client ID:** CAN 1661 SHELF 52  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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:** L1813620**Project Number:** CANISTER QC BAT**Report Date:** 05/02/18**Air Canister Certification Results**

Lab ID: L1813620-02

Date Collected: 04/18/18 16:00

Client ID: CAN 1661 SHELF 52

Date Received: 04/19/18

Sample Location:

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |    |     | ug/m3   |    |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|----|-----|---------|----|-----|-----------|-----------------|
|                                          | Results | RL | MDL | Results | RL | MDL |           |                 |
| 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 | 78         |           | 60-140              |
| Bromochloromethane  | 91         |           | 60-140              |
| chlorobenzene-d5    | 81         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-02  
**Client ID:** CAN 1661 SHELF 52  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15-SIM  
**Analytical Date:** 04/19/18 17:03  
**Analyst:** RY

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-02  
**Client ID:** CAN 1661 SHELF 52  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-02  
**Client ID:** CAN 1661 SHELF 52  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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 | 80         |           | 60-140              |
| bromochloromethane  | 92         |           | 60-140              |
| chlorobenzene-d5    | 81         |           | 60-140              |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813767  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813767-02  
**Client ID:** CAN 1038 SHELF 42  
**Sample Location:**

**Date Collected:** 04/19/18 09:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 04/20/18 19:42  
**Analyst:** RY

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813767  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813767-02  
**Client ID:** CAN 1038 SHELF 42  
**Sample Location:**

**Date Collected:** 04/19/18 09:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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               |
| 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               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813767  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813767-02  
**Client ID:** CAN 1038 SHELF 42  
**Sample Location:**

**Date Collected:** 04/19/18 09:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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               |
| o-Xylene                                 | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 1,2,3-Trichloropropane                   | ND      | 0.200 | --  | ND      | 1.21  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813767  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813767-02  
**Client ID:** CAN 1038 SHELF 42  
**Sample Location:**

**Date Collected:** 04/19/18 09:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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:** L1813767**Project Number:** CANISTER QC BAT**Report Date:** 05/02/18**Air Canister Certification Results**

Lab ID: L1813767-02

Date Collected: 04/19/18 09:00

Client ID: CAN 1038 SHELF 42

Date Received: 04/19/18

Sample Location:

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |    |     | ug/m3   |    |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|----|-----|---------|----|-----|-----------|-----------------|
|                                          | Results | RL | MDL | Results | RL | MDL |           |                 |
| 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 | 76         |           | 60-140              |
| Bromochloromethane  | 84         |           | 60-140              |
| chlorobenzene-d5    | 78         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813767  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813767-02  
**Client ID:** CAN 1038 SHELF 42  
**Sample Location:**

**Date Collected:** 04/19/18 09:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15-SIM  
**Analytical Date:** 04/20/18 19:42  
**Analyst:** RY

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813767  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813767-02  
**Client ID:** CAN 1038 SHELF 42  
**Sample Location:**

**Date Collected:** 04/19/18 09:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813767  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813767-02  
**Client ID:** CAN 1038 SHELF 42  
**Sample Location:**

**Date Collected:** 04/19/18 09:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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 | 78         |           | 60-140              |
| bromochloromethane  | 87         |           | 60-140              |
| chlorobenzene-d5    | 79         |           | 60-140              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814579**Project Number:** 190043701**Report Date:** 05/02/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information****Cooler**                      **Custody Seal**

N/A                              Absent

**Container Information**

| <b>Container ID</b> | <b>Container Type</b> | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b> |
|---------------------|-----------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--------------------|
| L1814579-01A        | Canister - 6 Liter    | N/A           | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30)        |
| L1814579-02A        | Canister - 6 Liter    | N/A           | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30)        |
| L1814579-03A        | Canister - 6 Liter    | N/A           | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30)        |
| L1814579-04A        | Canister - 6 Liter    | N/A           | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30)        |
| L1814579-05A        | Canister - 6 Liter    | N/A           | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30)        |
| L1814579-06A        | Canister - 6 Liter    | N/A           | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30)        |
| L1814579-07A        | Canister - 6 Liter    | N/A           | NA                    |                     |                       | Y           | Absent      |                             | CLEAN-FEE()        |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814579  
**Report Date:** 05/02/18

## 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).                        |
| 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.                                                                                                                                                                                                                                                                                                                                                                                               |
| 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.

### 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

**Report Format:** Data Usability Report



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814579  
**Report Date:** 05/02/18

#### Data Qualifiers

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.

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814579  
**Report Date:** 05/02/18

## 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, NO<sub>2</sub>, NO<sub>3</sub>.

### 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

## AIR ANALYSIS

PAGE 1 OF 1

320 Forbes Blvd, Mansfield, MA 02048  
TEL: 508-822-9300 FAX: 508-822-3288

## Client Information

Client: Langan Engineering  
Address: 360 W 31st, Manhattan  
NY

Phone: 212-471-5400

Fax:

Email: p.mahon@langan.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

## Project Information

Project Name: 551 Greenwich Street

Project Location: 551 Greenwich Street, Manhattan NY 10001

Project #: 190043701

Project Manager: Paul McMahon

ALPHA Quote #:

## Turn-Around Time

☒ Standard

☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab: 4/26/18

## 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)

ALPHA Job #: L1814579

## Billing Information

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

## ANALYSIS

☐

TO-15

TO-15 SIM

APH

Substrate Non-petroleum HCs

Fixed Gases

Sulfides & Mercaptans by TO-15

## All Columns Below Must Be Filled Out

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID   | COLLECTION |            |          |                |              |    | Sample Matrix* | Sampler's Initials | Can Size | I D Can | I D - Flow Controller | TO-15 | TO-15 Sil | APH Sub | Fixed Gas | Sulfides & Mercaptans |  | Sample Comments (i.e. PID) |
|--------------------------------|-------------|------------|------------|----------|----------------|--------------|----|----------------|--------------------|----------|---------|-----------------------|-------|-----------|---------|-----------|-----------------------|--|----------------------------|
|                                |             | End Date   | Start Time | End Time | Initial Vacuum | Final Vacuum |    |                |                    |          |         |                       |       |           |         |           |                       |  |                            |
| 4579 .01                       | SV02-042518 | 4/25/18    | 11:20      | 13:20    | 29.98          | 7.23         | SV | KT             | 6L                 | 2109     | 0753    | ✓                     | ✓     |           |         |           |                       |  |                            |
| .02                            | SV03-042518 | ↓          | 12:20      | 14:20    | 28.96          | 6.93         | ↓  |                |                    | 1644     | 0646    | ✓                     | ✓     |           |         |           |                       |  |                            |
| .03                            | SV05-042518 |            | 12:25      | 14:25    | 29.06          | 8.01         |    |                |                    | 2057     | 0617    | ✓                     | ✓     |           |         |           |                       |  |                            |
| .04                            | SV06-042518 |            | 10:10      | 12:10    | 29.96          | 3.56         |    |                |                    | 1672     | 0971    | ✓                     | ✓     |           |         |           |                       |  |                            |
| .05                            | SV07-042518 |            | 10:10      | 12:10    | 29.95          | 5.55         |    |                |                    | 1937     | 0426    | ✓                     | ✓     |           |         |           |                       |  |                            |
| .06                            | AA01-042518 |            | 10:10      | 12:10    | 29.73          | 4.11         |    |                |                    | AA       | ↓       | ↓                     | 1060  | 0310      | ✓       | ✓         |                       |  |                            |
|                                |             |            |            |          |                |              |    |                |                    |          |         | ✓                     | ✓     |           |         |           |                       |  |                            |
|                                |             |            |            |          |                |              |    |                |                    |          |         | ✓                     | ✓     |           |         |           |                       |  |                            |
|                                |             |            |            |          |                |              |    |                |                    |          |         | ✓                     | ✓     |           |         |           |                       |  |                            |
|                                |             |            |            |          |                |              |    |                |                    |          |         | ✓                     | ✓     |           |         |           |                       |  |                            |

## \*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)  
SV = Soil Vapor/Landfill Gas/SVE  
Other = Please Specify

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

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:     | L1814580                                                                                                        |
| Client:         | Langan Engineering & Environmental<br>21 Penn Plaza<br>360 W. 31st Street, 8th Floor<br>New York, NY 10001-2727 |
| ATTN:           | Paul McMahon                                                                                                    |
| Phone:          | (212) 479-5429                                                                                                  |
| Project Name:   | 551 GREENWICH STREET                                                                                            |
| Project Number: | 190043701                                                                                                       |
| Report Date:    | 05/02/18                                                                                                        |

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), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

---

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



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

| Alpha<br>Sample ID | Client ID   | Matrix | Sample<br>Location                     | Collection<br>Date/Time | Receive Date |
|--------------------|-------------|--------|----------------------------------------|-------------------------|--------------|
| L1814580-01        | EB-02_1-3   | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/25/18 12:05          | 04/25/18     |
| L1814580-02        | EB-02_14-16 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/25/18 13:10          | 04/25/18     |
| L1814580-03        | EB-02_26-28 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/25/18 13:25          | 04/25/18     |
| L1814580-04        | EB-05_0-2   | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/25/18 07:00          | 04/25/18     |
| L1814580-05        | EB-05_11-12 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/25/18 07:55          | 04/25/18     |
| L1814580-06        | EB-05_13-15 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/25/18 08:10          | 04/25/18     |
| L1814580-07        | EB-05_22-24 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/25/18 07:20          | 04/25/18     |
| L1814580-08        | EB-10_14-16 | SOIL   | 551 GREENWICH STREET,<br>MANHATTAN, NY | 04/25/18 13:40          | 04/25/18     |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

### 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.

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**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

### 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.

#### Volatile Organics

L1814580-05: 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.

L1814580-06 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

#### Total Metals

L1814580-01 through -08: 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 WG1110278-3 MS recovery for mercury (48%), performed on L1814580-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1110278-4 Laboratory Duplicate RPD for mercury (44%), performed on L1814580-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native 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:



Kelly Stenstrom

Title: Technical Director/Representative

Date: 05/02/18

# ORGANICS

# **VOLATILES**

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-01

Date Collected: 04/25/18 12:05

Client ID: EB-02\_1-3

Date Received: 04/25/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/27/18 15:10

Analyst: MV

Percent Solids: 85%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 17  | 2.8  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.6 | 0.47 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.6 | 0.64 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.7 | 0.60 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 6.0 | 0.39 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.7 | 0.30 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.6 | 0.54 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.7 | 0.52 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.7 | 0.60 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 8.6 | 0.72 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.7 | 0.42 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.7 | 0.60 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.7 | 0.53 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.7 | 0.36 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.7 | 0.40 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.7 | 0.36 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 8.6 | 0.57 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 6.9 | 0.41 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.7 | 0.51 | 1               |
| Benzene                                          | 0.54   | J         | ug/kg | 1.7 | 0.33 | 1               |
| Toluene                                          | 1.4    | J         | ug/kg | 2.6 | 0.34 | 1               |
| Ethylbenzene                                     | 0.44   | J         | ug/kg | 1.7 | 0.29 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 8.6 | 0.75 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 3.4 | 0.58 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 3.4 | 0.54 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 3.4 | 0.55 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.7 | 0.64 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.6 | 0.42 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-01**Date Collected:** 04/25/18 12:05**Client ID:** EB-02\_1-3**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.7 | 0.52 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 8.6 | 0.31 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 8.6 | 0.38 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 8.6 | 0.31 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 3.4 | 0.26 | 1               |
| p/m-Xylene                                       | 1.7    | J         | ug/kg | 3.4 | 0.61 | 1               |
| o-Xylene                                         | 0.93   | J         | ug/kg | 3.4 | 0.58 | 1               |
| Xylenes, Total                                   | 2.6    | J         | ug/kg | 3.4 | 0.58 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.7 | 0.59 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.7 | 0.42 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 17  | 0.41 | 1               |
| Styrene                                          | ND     |           | ug/kg | 3.4 | 0.69 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 17  | 0.86 | 1               |
| Acetone                                          | ND     |           | ug/kg | 17  | 4.0  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 17  | 1.9  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 17  | 1.2  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 17  | 0.26 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 17  | 0.42 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 17  | 0.30 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 17  | 1.2  | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 8.6 | 0.62 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 8.6 | 0.78 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 6.9 | 0.34 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 8.6 | 0.32 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.7 | 0.55 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 8.6 | 0.38 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.7 | 0.39 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.7 | 0.37 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 8.6 | 0.43 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 8.6 | 0.38 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 8.6 | 0.32 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 8.6 | 0.68 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 8.6 | 0.60 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.7 | 0.34 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.7 | 0.35 | 1               |
| Naphthalene                                      | 4.9    | J         | ug/kg | 8.6 | 0.24 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 17  | 0.89 | 1               |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

**SAMPLE RESULTS**

**Lab ID:** L1814580-01  
**Client ID:** EB-02\_1-3  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/25/18 12:05  
**Date Received:** 04/25/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | 0.42   | J         | ug/kg | 1.7 | 0.37 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 8.6 | 0.43 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 8.6 | 0.37 | 1               |
| 1,3,5-Trimethylbenzene                           | 0.41   | J         | ug/kg | 8.6 | 0.28 | 1               |
| 1,2,4-Trimethylbenzene                           | 1.4    | J         | ug/kg | 8.6 | 0.32 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 69  | 25.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 6.9 | 6.9  | 1               |
| p-Ethyltoluene                                   | 0.77   | J         | ug/kg | 6.9 | 0.40 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | 0.64   | J         | ug/kg | 6.9 | 0.27 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 8.6 | 0.45 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 8.6 | 0.68 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 94         |           | 70-130              |
| Toluene-d8            | 95         |           | 70-130              |
| 4-Bromofluorobenzene  | 86         |           | 70-130              |
| Dibromofluoromethane  | 99         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-02 D  
 Client ID: EB-02\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/27/18 16:55  
 Analyst: MV  
 Percent Solids: 80%

| Parameter                                        | Result | Qualifier | Units | RL    | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-------|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |       |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 41000 | 6800 | 50              |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 6200  | 1100 | 50              |
| Chloroform                                       | ND     |           | ug/kg | 6200  | 1500 | 50              |
| Carbon tetrachloride                             | ND     |           | ug/kg | 4100  | 1400 | 50              |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 14000 | 940  | 50              |
| Dibromochloromethane                             | ND     |           | ug/kg | 4100  | 720  | 50              |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 6200  | 1300 | 50              |
| Tetrachloroethene                                | ND     |           | ug/kg | 4100  | 1200 | 50              |
| Chlorobenzene                                    | ND     |           | ug/kg | 4100  | 1400 | 50              |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 21000 | 1700 | 50              |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 4100  | 1000 | 50              |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 4100  | 1400 | 50              |
| Bromodichloromethane                             | ND     |           | ug/kg | 4100  | 1300 | 50              |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 4100  | 860  | 50              |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 4100  | 950  | 50              |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 4100  | 860  | 50              |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 21000 | 1400 | 50              |
| Bromoform                                        | ND     |           | ug/kg | 16000 | 980  | 50              |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 4100  | 1200 | 50              |
| Benzene                                          | 49000  |           | ug/kg | 4100  | 800  | 50              |
| Toluene                                          | 220000 |           | ug/kg | 6200  | 800  | 50              |
| Ethylbenzene                                     | 95000  |           | ug/kg | 4100  | 700  | 50              |
| Chloromethane                                    | 1900   | J         | ug/kg | 21000 | 1800 | 50              |
| Bromomethane                                     | ND     |           | ug/kg | 8200  | 1400 | 50              |
| Vinyl chloride                                   | ND     |           | ug/kg | 8200  | 1300 | 50              |
| Chloroethane                                     | ND     |           | ug/kg | 8200  | 1300 | 50              |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 4100  | 1500 | 50              |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 6200  | 990  | 50              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-02 D  
 Client ID: EB-02\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL    | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-------|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |       |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 4100  | 1200 | 50              |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 21000 | 750  | 50              |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 21000 | 900  | 50              |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 21000 | 750  | 50              |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 8200  | 630  | 50              |
| p/m-Xylene                                       | 500000 |           | ug/kg | 8200  | 1400 | 50              |
| o-Xylene                                         | 200000 |           | ug/kg | 8200  | 1400 | 50              |
| Xylenes, Total                                   | 700000 |           | ug/kg | 8200  | 1400 | 50              |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 4100  | 1400 | 50              |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 4100  | 990  | 50              |
| Dibromomethane                                   | ND     |           | ug/kg | 41000 | 980  | 50              |
| Styrene                                          | ND     |           | ug/kg | 8200  | 1600 | 50              |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 41000 | 2100 | 50              |
| Acetone                                          | ND     |           | ug/kg | 41000 | 9400 | 50              |
| Carbon disulfide                                 | ND     |           | ug/kg | 41000 | 4500 | 50              |
| 2-Butanone                                       | ND     |           | ug/kg | 41000 | 2800 | 50              |
| Vinyl acetate                                    | ND     |           | ug/kg | 41000 | 630  | 50              |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 41000 | 1000 | 50              |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 41000 | 730  | 50              |
| 2-Hexanone                                       | ND     |           | ug/kg | 41000 | 2700 | 50              |
| Bromochloromethane                               | ND     |           | ug/kg | 21000 | 1500 | 50              |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 21000 | 1800 | 50              |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 16000 | 820  | 50              |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 21000 | 750  | 50              |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 4100  | 1300 | 50              |
| Bromobenzene                                     | ND     |           | ug/kg | 21000 | 900  | 50              |
| n-Butylbenzene                                   | 10000  |           | ug/kg | 4100  | 940  | 50              |
| sec-Butylbenzene                                 | 5400   |           | ug/kg | 4100  | 890  | 50              |
| tert-Butylbenzene                                | ND     |           | ug/kg | 21000 | 1000 | 50              |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 21000 | 910  | 50              |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 21000 | 750  | 50              |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 21000 | 1600 | 50              |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 21000 | 1400 | 50              |
| Isopropylbenzene                                 | 15000  |           | ug/kg | 4100  | 800  | 50              |
| p-Isopropyltoluene                               | 5900   |           | ug/kg | 4100  | 830  | 50              |
| Naphthalene                                      | 66000  |           | ug/kg | 21000 | 570  | 50              |
| Acrylonitrile                                    | ND     |           | ug/kg | 41000 | 2100 | 50              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-02 D**Date Collected:** 04/25/18 13:10**Client ID:** EB-02\_14-16**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL     | MDL   | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|--------|-------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |        |       |                 |
| n-Propylbenzene                                  | 33000  |           | ug/kg | 4100   | 890   | 50              |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 21000  | 1000  | 50              |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 21000  | 890   | 50              |
| 1,3,5-Trimethylbenzene                           | 100000 |           | ug/kg | 21000  | 660   | 50              |
| 1,2,4-Trimethylbenzene                           | 290000 |           | ug/kg | 21000  | 770   | 50              |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 160000 | 59000 | 50              |
| p-Diethylbenzene                                 | 100000 |           | ug/kg | 16000  | 16000 | 50              |
| p-Ethyltoluene                                   | 200000 |           | ug/kg | 16000  | 960   | 50              |
| 1,2,4,5-Tetramethylbenzene                       | 31000  |           | ug/kg | 16000  | 640   | 50              |
| Ethyl ether                                      | ND     |           | ug/kg | 21000  | 1100  | 50              |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 21000  | 1600  | 50              |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 98         |           | 70-130              |
| Toluene-d8            | 105        |           | 70-130              |
| 4-Bromofluorobenzene  | 86         |           | 70-130              |
| Dibromofluoromethane  | 92         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-03  
 Client ID: EB-02\_26-28  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:25  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 05/02/18 09:44  
 Analyst: MV  
 Percent Solids: 89%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 16  | 2.6  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.3 | 0.42 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.3 | 0.58 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.6 | 0.54 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 5.4 | 0.36 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.6 | 0.27 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.3 | 0.49 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.6 | 0.47 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.6 | 0.54 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 7.8 | 0.65 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.6 | 0.38 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.6 | 0.54 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.6 | 0.48 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.6 | 0.32 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.6 | 0.36 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.6 | 0.32 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 7.8 | 0.51 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 6.2 | 0.37 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.6 | 0.46 | 1               |
| Benzene                                          | 0.31   | J         | ug/kg | 1.6 | 0.30 | 1               |
| Toluene                                          | 0.67   | J         | ug/kg | 2.3 | 0.30 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.6 | 0.26 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 7.8 | 0.68 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 3.1 | 0.53 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 3.1 | 0.49 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 3.1 | 0.49 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.6 | 0.58 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.3 | 0.38 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-03**Date Collected:** 04/25/18 13:25**Client ID:** EB-02\_26-28**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.6 | 0.47 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 7.8 | 0.28 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 7.8 | 0.34 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 7.8 | 0.28 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 3.1 | 0.24 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 3.1 | 0.55 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 3.1 | 0.53 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 3.1 | 0.53 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.6 | 0.53 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.6 | 0.38 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 16  | 0.37 | 1               |
| Styrene                                          | ND     |           | ug/kg | 3.1 | 0.62 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 16  | 0.78 | 1               |
| Acetone                                          | 8.1    | J         | ug/kg | 16  | 3.6  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 16  | 1.7  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 16  | 1.1  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 16  | 0.24 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 16  | 0.38 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 16  | 0.28 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 16  | 1.0  | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 7.8 | 0.56 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 7.8 | 0.70 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 6.2 | 0.31 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 7.8 | 0.28 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.6 | 0.50 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 7.8 | 0.34 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.6 | 0.36 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.6 | 0.34 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 7.8 | 0.38 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 7.8 | 0.34 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 7.8 | 0.28 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 7.8 | 0.62 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 7.8 | 0.54 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.6 | 0.30 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.6 | 0.31 | 1               |
| Naphthalene                                      | 0.43   | J         | ug/kg | 7.8 | 0.22 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 16  | 0.80 | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

**SAMPLE RESULTS**

**Lab ID:** L1814580-03  
**Client ID:** EB-02\_26-28  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/25/18 13:25  
**Date Received:** 04/25/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.6 | 0.34 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 7.8 | 0.39 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 7.8 | 0.34 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 7.8 | 0.25 | 1               |
| 1,2,4-Trimethylbenzene                           | 0.38   | J         | ug/kg | 7.8 | 0.29 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 62  | 22.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 6.2 | 6.2  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 6.2 | 0.36 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 6.2 | 0.24 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 7.8 | 0.40 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 7.8 | 0.61 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 94         |           | 70-130              |
| Toluene-d8            | 106        |           | 70-130              |
| 4-Bromofluorobenzene  | 104        |           | 70-130              |
| Dibromofluoromethane  | 102        |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-04

Date Collected: 04/25/18 07:00

Client ID: EB-05\_0-2

Date Received: 04/25/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/27/18 15:36

Analyst: MV

Percent Solids: 87%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 20  | 3.4  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 3.1 | 0.55 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 3.1 | 0.76 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 2.0 | 0.71 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 7.2 | 0.47 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 2.0 | 0.36 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 3.1 | 0.64 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 2.0 | 0.62 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 2.0 | 0.71 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 10  | 0.85 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 2.0 | 0.50 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 2.0 | 0.72 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 2.0 | 0.63 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 2.0 | 0.43 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 2.0 | 0.47 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 2.0 | 0.43 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 10  | 0.67 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 8.2 | 0.48 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 2.0 | 0.61 | 1               |
| Benzene                                          | ND     |           | ug/kg | 2.0 | 0.40 | 1               |
| Toluene                                          | ND     |           | ug/kg | 3.1 | 0.40 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 2.0 | 0.35 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 10  | 0.89 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 4.1 | 0.69 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 4.1 | 0.64 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 4.1 | 0.65 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 2.0 | 0.76 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 3.1 | 0.49 | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-04**Date Collected:** 04/25/18 07:00**Client ID:** EB-05\_0-2**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 2.0 | 0.62 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 10  | 0.37 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 10  | 0.45 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 10  | 0.37 | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 4.1 | 0.31 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 4.1 | 0.72 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 4.1 | 0.69 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 4.1 | 0.69 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 2.0 | 0.70 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 2.0 | 0.49 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 20  | 0.49 | 1               |
| Styrene                                          | ND     |           | ug/kg | 4.1 | 0.82 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 20  | 1.0  | 1               |
| Acetone                                          | 10     | J         | ug/kg | 20  | 4.7  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 20  | 2.2  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 20  | 1.4  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 20  | 0.31 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 20  | 0.50 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 20  | 0.36 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 20  | 1.4  | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 10  | 0.73 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 10  | 0.92 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 8.2 | 0.41 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 10  | 0.38 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 2.0 | 0.65 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 10  | 0.45 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 2.0 | 0.47 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 2.0 | 0.44 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 10  | 0.51 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 10  | 0.45 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 10  | 0.38 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 10  | 0.81 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 10  | 0.71 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 2.0 | 0.40 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 2.0 | 0.41 | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 10  | 0.28 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 20  | 1.0  | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-04**Date Collected:** 04/25/18 07:00**Client ID:** EB-05\_0-2**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 2.0 | 0.44 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 10  | 0.51 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 10  | 0.44 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 10  | 0.33 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 10  | 0.38 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 82  | 30.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 8.2 | 8.2  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 8.2 | 0.48 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | ND     |           | ug/kg | 8.2 | 0.32 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 10  | 0.53 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 10  | 0.80 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 98         |           | 70-130              |
| Toluene-d8            | 97         |           | 70-130              |
| 4-Bromofluorobenzene  | 86         |           | 70-130              |
| Dibromofluoromethane  | 99         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-05  
 Client ID: EB-05\_11-12  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 07:55  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/27/18 17:46  
 Analyst: MV  
 Percent Solids: 87%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |     |                 |
| Methylene chloride                               | ND     |           | ug/kg | 630 | 100 | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 94  | 17. | 1               |
| Chloroform                                       | ND     |           | ug/kg | 94  | 23. | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 63  | 22. | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 220 | 14. | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 63  | 11. | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 94  | 20. | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 63  | 19. | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 63  | 22. | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 310 | 26. | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 63  | 15. | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 63  | 22. | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 63  | 19. | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 63  | 13. | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 63  | 14. | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 63  | 13. | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 310 | 21. | 1               |
| Bromoform                                        | ND     |           | ug/kg | 250 | 15. | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 63  | 19. | 1               |
| Benzene                                          | ND     |           | ug/kg | 63  | 12. | 1               |
| Toluene                                          | 19     | J         | ug/kg | 94  | 12. | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 63  | 11. | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 310 | 27. | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 120 | 21. | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 120 | 20. | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 120 | 20. | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 63  | 23. | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 94  | 15. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-05**Date Collected:** 04/25/18 07:55**Client ID:** EB-05\_11-12**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |     |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 63  | 19. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 310 | 11. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 310 | 14. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 310 | 11. | 1               |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 120 | 9.6 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 120 | 22. | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 120 | 21. | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 120 | 21. | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 63  | 21. | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 63  | 15. | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 630 | 15. | 1               |
| Styrene                                          | ND     |           | ug/kg | 120 | 25. | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 630 | 31. | 1               |
| Acetone                                          | ND     |           | ug/kg | 630 | 140 | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 630 | 69. | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 630 | 43. | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 630 | 9.6 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 630 | 15. | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 630 | 11. | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 630 | 42. | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 310 | 22. | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 310 | 28. | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 250 | 12. | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 310 | 12. | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 63  | 20. | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 310 | 14. | 1               |
| n-Butylbenzene                                   | 32     | J         | ug/kg | 63  | 14. | 1               |
| sec-Butylbenzene                                 | 100    |           | ug/kg | 63  | 14. | 1               |
| tert-Butylbenzene                                | 29     | J         | ug/kg | 310 | 16. | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 310 | 14. | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 310 | 12. | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 310 | 25. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 310 | 22. | 1               |
| Isopropylbenzene                                 | 26     | J         | ug/kg | 63  | 12. | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 63  | 13. | 1               |
| Naphthalene                                      | 25     | J         | ug/kg | 310 | 8.7 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 630 | 32. | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

**SAMPLE RESULTS**

**Lab ID:** L1814580-05  
**Client ID:** EB-05\_11-12  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/25/18 07:55  
**Date Received:** 04/25/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |      |     |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 63   | 14. | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 310  | 16. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 310  | 14. | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 310  | 10. | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 310  | 12. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 2500 | 900 | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 250  | 250 | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 250  | 15. | 1               |
| 1,2,4,5-Tetramethylbenzene                       | 32     | J         | ug/kg | 250  | 9.8 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 310  | 16. | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 310  | 25. | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 87         |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 129        |           | 70-130              |
| Dibromofluoromethane  | 97         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-06  
 Client ID: EB-05\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 08:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/27/18 16:02  
 Analyst: MV  
 Percent Solids: 83%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 17  | 2.8  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.5 | 0.45 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.5 | 0.62 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.7 | 0.58 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 5.8 | 0.38 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.7 | 0.29 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.5 | 0.52 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.7 | 0.50 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.7 | 0.58 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 8.4 | 0.70 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.7 | 0.41 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.7 | 0.58 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.7 | 0.52 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.7 | 0.35 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.7 | 0.39 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.7 | 0.35 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 8.4 | 0.55 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 6.7 | 0.40 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.7 | 0.50 | 1               |
| Benzene                                          | 660    | E         | ug/kg | 1.7 | 0.32 | 1               |
| Toluene                                          | 34     |           | ug/kg | 2.5 | 0.33 | 1               |
| Ethylbenzene                                     | 75     |           | ug/kg | 1.7 | 0.28 | 1               |
| Chloromethane                                    | 2.9    | J         | ug/kg | 8.4 | 0.73 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 3.3 | 0.56 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 3.3 | 0.53 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 3.3 | 0.53 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.7 | 0.62 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.5 | 0.40 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-06**Date Collected:** 04/25/18 08:10**Client ID:** EB-05\_13-15**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.7 | 0.50 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 8.4 | 0.30 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 8.4 | 0.36 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 8.4 | 0.30 | 1               |
| Methyl tert butyl ether                          | 3.4    |           | ug/kg | 3.3 | 0.26 | 1               |
| p/m-Xylene                                       | 320    |           | ug/kg | 3.3 | 0.59 | 1               |
| o-Xylene                                         | 29     |           | ug/kg | 3.3 | 0.56 | 1               |
| Xylenes, Total                                   | 350    |           | ug/kg | 3.3 | 0.56 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.7 | 0.57 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.7 | 0.40 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 17  | 0.40 | 1               |
| Styrene                                          | ND     |           | ug/kg | 3.3 | 0.67 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 17  | 0.84 | 1               |
| Acetone                                          | 15     | J         | ug/kg | 17  | 3.8  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 17  | 1.8  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 17  | 1.2  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 17  | 0.26 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 17  | 0.41 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 17  | 0.30 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 17  | 1.1  | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 8.4 | 0.60 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 8.4 | 0.75 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 6.7 | 0.33 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 8.4 | 0.31 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.7 | 0.53 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 8.4 | 0.37 | 1               |
| n-Butylbenzene                                   | 0.92   | J         | ug/kg | 1.7 | 0.38 | 1               |
| sec-Butylbenzene                                 | 0.86   | J         | ug/kg | 1.7 | 0.36 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 8.4 | 0.41 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 8.4 | 0.37 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 8.4 | 0.31 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 8.4 | 0.66 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 8.4 | 0.58 | 1               |
| Isopropylbenzene                                 | 5.2    |           | ug/kg | 1.7 | 0.32 | 1               |
| p-Isopropyltoluene                               | 1.1    | J         | ug/kg | 1.7 | 0.34 | 1               |
| Naphthalene                                      | 52     |           | ug/kg | 8.4 | 0.23 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 17  | 0.86 | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

**SAMPLE RESULTS**

**Lab ID:** L1814580-06  
**Client ID:** EB-05\_13-15  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/25/18 08:10  
**Date Received:** 04/25/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | 6.1    |           | ug/kg | 1.7 | 0.36 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 8.4 | 0.42 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 8.4 | 0.36 | 1               |
| 1,3,5-Trimethylbenzene                           | 19     |           | ug/kg | 8.4 | 0.27 | 1               |
| 1,2,4-Trimethylbenzene                           | 64     |           | ug/kg | 8.4 | 0.31 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 67  | 24.  | 1               |
| p-Diethylbenzene                                 | 6.8    |           | ug/kg | 6.7 | 6.7  | 1               |
| p-Ethyltoluene                                   | 20     |           | ug/kg | 6.7 | 0.39 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | 3.2    | J         | ug/kg | 6.7 | 0.26 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 8.4 | 0.44 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 8.4 | 0.66 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 94         |           | 70-130              |
| Toluene-d8            | 104        |           | 70-130              |
| 4-Bromofluorobenzene  | 89         |           | 70-130              |
| Dibromofluoromethane  | 97         |           | 70-130              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-06  
 Client ID: EB-05\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 08:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/29/18 17:44  
 Analyst: MV  
 Percent Solids: 83%

| Parameter                                            | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Volatile Organics by EPA 5035 High - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                   | ND     |           | ug/kg | 1100 | 180 | 1               |
| 1,1-Dichloroethane                                   | ND     |           | ug/kg | 160  | 30. | 1               |
| Chloroform                                           | ND     |           | ug/kg | 160  | 41. | 1               |
| Carbon tetrachloride                                 | ND     |           | ug/kg | 110  | 38. | 1               |
| 1,2-Dichloropropane                                  | ND     |           | ug/kg | 390  | 25. | 1               |
| Dibromochloromethane                                 | ND     |           | ug/kg | 110  | 19. | 1               |
| 1,1,2-Trichloroethane                                | ND     |           | ug/kg | 160  | 35. | 1               |
| Tetrachloroethene                                    | ND     |           | ug/kg | 110  | 33. | 1               |
| Chlorobenzene                                        | ND     |           | ug/kg | 110  | 38. | 1               |
| Trichlorofluoromethane                               | ND     |           | ug/kg | 550  | 46. | 1               |
| 1,2-Dichloroethane                                   | ND     |           | ug/kg | 110  | 27. | 1               |
| 1,1,1-Trichloroethane                                | ND     |           | ug/kg | 110  | 39. | 1               |
| Bromodichloromethane                                 | ND     |           | ug/kg | 110  | 34. | 1               |
| trans-1,3-Dichloropropene                            | ND     |           | ug/kg | 110  | 23. | 1               |
| cis-1,3-Dichloropropene                              | ND     |           | ug/kg | 110  | 26. | 1               |
| 1,3-Dichloropropene, Total                           | ND     |           | ug/kg | 110  | 23. | 1               |
| 1,1-Dichloropropene                                  | ND     |           | ug/kg | 550  | 36. | 1               |
| Bromoform                                            | ND     |           | ug/kg | 440  | 26. | 1               |
| 1,1,2,2-Tetrachloroethane                            | ND     |           | ug/kg | 110  | 33. | 1               |
| Benzene                                              | 680    |           | ug/kg | 110  | 21. | 1               |
| Toluene                                              | 53     | J         | ug/kg | 160  | 22. | 1               |
| Ethylbenzene                                         | 84     | J         | ug/kg | 110  | 19. | 1               |
| Chloromethane                                        | ND     |           | ug/kg | 550  | 48. | 1               |
| Bromomethane                                         | ND     |           | ug/kg | 220  | 37. | 1               |
| Vinyl chloride                                       | ND     |           | ug/kg | 220  | 35. | 1               |
| Chloroethane                                         | ND     |           | ug/kg | 220  | 35. | 1               |
| 1,1-Dichloroethene                                   | ND     |           | ug/kg | 110  | 41. | 1               |
| trans-1,2-Dichloroethene                             | ND     |           | ug/kg | 160  | 27. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-06**Date Collected:** 04/25/18 08:10**Client ID:** EB-05\_13-15**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 110  | 33. | 1               |
| 1,2-Dichlorobenzene                                  | ND     |           | ug/kg | 550  | 20. | 1               |
| 1,3-Dichlorobenzene                                  | ND     |           | ug/kg | 550  | 24. | 1               |
| 1,4-Dichlorobenzene                                  | ND     |           | ug/kg | 550  | 20. | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/kg | 220  | 17. | 1               |
| p/m-Xylene                                           | 370    |           | ug/kg | 220  | 39. | 1               |
| o-Xylene                                             | ND     |           | ug/kg | 220  | 37. | 1               |
| Xylene (Total)                                       | 370    |           | ug/kg | 220  | 37. | 1               |
| cis-1,2-Dichloroethene                               | ND     |           | ug/kg | 110  | 38. | 1               |
| 1,2-Dichloroethene (total)                           | ND     |           | ug/kg | 110  | 27. | 1               |
| Dibromomethane                                       | ND     |           | ug/kg | 1100 | 26. | 1               |
| Styrene                                              | ND     |           | ug/kg | 220  | 44. | 1               |
| Dichlorodifluoromethane                              | ND     |           | ug/kg | 1100 | 55. | 1               |
| Acetone                                              | ND     |           | ug/kg | 1100 | 250 | 1               |
| Carbon disulfide                                     | ND     |           | ug/kg | 1100 | 120 | 1               |
| 2-Butanone                                           | ND     |           | ug/kg | 1100 | 76. | 1               |
| Vinyl acetate                                        | ND     |           | ug/kg | 1100 | 17. | 1               |
| 4-Methyl-2-pentanone                                 | ND     |           | ug/kg | 1100 | 27. | 1               |
| 1,2,3-Trichloropropane                               | ND     |           | ug/kg | 1100 | 20. | 1               |
| 2-Hexanone                                           | ND     |           | ug/kg | 1100 | 74. | 1               |
| Bromochloromethane                                   | ND     |           | ug/kg | 550  | 39. | 1               |
| 2,2-Dichloropropane                                  | ND     |           | ug/kg | 550  | 50. | 1               |
| 1,2-Dibromoethane                                    | ND     |           | ug/kg | 440  | 22. | 1               |
| 1,3-Dichloropropane                                  | ND     |           | ug/kg | 550  | 20. | 1               |
| 1,1,1,2-Tetrachloroethane                            | ND     |           | ug/kg | 110  | 35. | 1               |
| Bromobenzene                                         | ND     |           | ug/kg | 550  | 24. | 1               |
| n-Butylbenzene                                       | ND     |           | ug/kg | 110  | 25. | 1               |
| sec-Butylbenzene                                     | ND     |           | ug/kg | 110  | 24. | 1               |
| tert-Butylbenzene                                    | ND     |           | ug/kg | 550  | 27. | 1               |
| o-Chlorotoluene                                      | ND     |           | ug/kg | 550  | 24. | 1               |
| p-Chlorotoluene                                      | ND     |           | ug/kg | 550  | 20. | 1               |
| 1,2-Dibromo-3-chloropropane                          | ND     |           | ug/kg | 550  | 44. | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/kg | 550  | 38. | 1               |
| Isopropylbenzene                                     | ND     |           | ug/kg | 110  | 21. | 1               |
| p-Isopropyltoluene                                   | ND     |           | ug/kg | 110  | 22. | 1               |
| Naphthalene                                          | 85     | J         | ug/kg | 550  | 15. | 1               |
| Acrylonitrile                                        | ND     |           | ug/kg | 1100 | 57. | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

**SAMPLE RESULTS**

**Lab ID:** L1814580-06  
**Client ID:** EB-05\_13-15  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/25/18 08:10  
**Date Received:** 04/25/18  
**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 | 110  | 24.  | 1               |
| 1,2,3-Trichlorobenzene                               | ND     |           | ug/kg | 550  | 28.  | 1               |
| 1,2,4-Trichlorobenzene                               | ND     |           | ug/kg | 550  | 24.  | 1               |
| 1,3,5-Trimethylbenzene                               | 21     | J         | ug/kg | 550  | 18.  | 1               |
| 1,2,4-Trimethylbenzene                               | 82     | J         | ug/kg | 550  | 20.  | 1               |
| 1,4-Dioxane                                          | ND     |           | ug/kg | 4400 | 1600 | 1               |
| 1,4-Diethylbenzene                                   | ND     |           | ug/kg | 440  | 440  | 1               |
| 4-Ethyltoluene                                       | ND     |           | ug/kg | 440  | 26.  | 1               |
| 1,2,4,5-Tetramethylbenzene                           | ND     |           | ug/kg | 440  | 17.  | 1               |
| Ethyl ether                                          | ND     |           | ug/kg | 550  | 29.  | 1               |
| trans-1,4-Dichloro-2-butene                          | ND     |           | ug/kg | 550  | 43.  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 97         |           | 70-130              |
| Toluene-d8            | 97         |           | 70-130              |
| 4-Bromofluorobenzene  | 85         |           | 70-130              |
| Dibromofluoromethane  | 106        |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-07  
 Client ID: EB-05\_22-24  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 07:20  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/27/18 16:28  
 Analyst: MV  
 Percent Solids: 81%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 15  | 2.4  | 1               |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 2.2 | 0.40 | 1               |
| Chloroform                                       | ND     |           | ug/kg | 2.2 | 0.54 | 1               |
| Carbon tetrachloride                             | ND     |           | ug/kg | 1.5 | 0.50 | 1               |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 5.1 | 0.33 | 1               |
| Dibromochloromethane                             | ND     |           | ug/kg | 1.5 | 0.26 | 1               |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 2.2 | 0.46 | 1               |
| Tetrachloroethene                                | ND     |           | ug/kg | 1.5 | 0.44 | 1               |
| Chlorobenzene                                    | ND     |           | ug/kg | 1.5 | 0.51 | 1               |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 7.3 | 0.61 | 1               |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 1.5 | 0.36 | 1               |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 1.5 | 0.51 | 1               |
| Bromodichloromethane                             | ND     |           | ug/kg | 1.5 | 0.45 | 1               |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 1.5 | 0.30 | 1               |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 1.5 | 0.34 | 1               |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 1.5 | 0.30 | 1               |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 7.3 | 0.48 | 1               |
| Bromoform                                        | ND     |           | ug/kg | 5.8 | 0.35 | 1               |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.5 | 0.44 | 1               |
| Benzene                                          | 15     |           | ug/kg | 1.5 | 0.28 | 1               |
| Toluene                                          | 0.43   | J         | ug/kg | 2.2 | 0.28 | 1               |
| Ethylbenzene                                     | ND     |           | ug/kg | 1.5 | 0.25 | 1               |
| Chloromethane                                    | ND     |           | ug/kg | 7.3 | 0.64 | 1               |
| Bromomethane                                     | ND     |           | ug/kg | 2.9 | 0.49 | 1               |
| Vinyl chloride                                   | ND     |           | ug/kg | 2.9 | 0.46 | 1               |
| Chloroethane                                     | ND     |           | ug/kg | 2.9 | 0.46 | 1               |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 1.5 | 0.54 | 1               |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 2.2 | 0.35 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-07**Date Collected:** 04/25/18 07:20**Client ID:** EB-05\_22-24**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 1.5 | 0.44 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 7.3 | 0.27 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 7.3 | 0.32 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 7.3 | 0.27 | 1               |
| Methyl tert butyl ether                          | 17     |           | ug/kg | 2.9 | 0.22 | 1               |
| p/m-Xylene                                       | ND     |           | ug/kg | 2.9 | 0.51 | 1               |
| o-Xylene                                         | ND     |           | ug/kg | 2.9 | 0.49 | 1               |
| Xylenes, Total                                   | ND     |           | ug/kg | 2.9 | 0.49 | 1               |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 1.5 | 0.50 | 1               |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 1.5 | 0.35 | 1               |
| Dibromomethane                                   | ND     |           | ug/kg | 15  | 0.35 | 1               |
| Styrene                                          | ND     |           | ug/kg | 2.9 | 0.59 | 1               |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 15  | 0.73 | 1               |
| Acetone                                          | 16     |           | ug/kg | 15  | 3.4  | 1               |
| Carbon disulfide                                 | ND     |           | ug/kg | 15  | 1.6  | 1               |
| 2-Butanone                                       | ND     |           | ug/kg | 15  | 1.0  | 1               |
| Vinyl acetate                                    | ND     |           | ug/kg | 15  | 0.22 | 1               |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 15  | 0.36 | 1               |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 15  | 0.26 | 1               |
| 2-Hexanone                                       | ND     |           | ug/kg | 15  | 0.98 | 1               |
| Bromochloromethane                               | ND     |           | ug/kg | 7.3 | 0.52 | 1               |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 7.3 | 0.66 | 1               |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 5.8 | 0.29 | 1               |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 7.3 | 0.27 | 1               |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 1.5 | 0.46 | 1               |
| Bromobenzene                                     | ND     |           | ug/kg | 7.3 | 0.32 | 1               |
| n-Butylbenzene                                   | ND     |           | ug/kg | 1.5 | 0.33 | 1               |
| sec-Butylbenzene                                 | ND     |           | ug/kg | 1.5 | 0.32 | 1               |
| tert-Butylbenzene                                | ND     |           | ug/kg | 7.3 | 0.36 | 1               |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 7.3 | 0.32 | 1               |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 7.3 | 0.27 | 1               |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 7.3 | 0.58 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 7.3 | 0.51 | 1               |
| Isopropylbenzene                                 | ND     |           | ug/kg | 1.5 | 0.28 | 1               |
| p-Isopropyltoluene                               | ND     |           | ug/kg | 1.5 | 0.30 | 1               |
| Naphthalene                                      | 0.51   | J         | ug/kg | 7.3 | 0.20 | 1               |
| Acrylonitrile                                    | ND     |           | ug/kg | 15  | 0.75 | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

**SAMPLE RESULTS**

**Lab ID:** L1814580-07  
**Client ID:** EB-05\_22-24  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/25/18 07:20  
**Date Received:** 04/25/18  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                  | ND     |           | ug/kg | 1.5 | 0.31 | 1               |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 7.3 | 0.37 | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 7.3 | 0.31 | 1               |
| 1,3,5-Trimethylbenzene                           | ND     |           | ug/kg | 7.3 | 0.24 | 1               |
| 1,2,4-Trimethylbenzene                           | ND     |           | ug/kg | 7.3 | 0.27 | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 58  | 21.  | 1               |
| p-Diethylbenzene                                 | ND     |           | ug/kg | 5.8 | 5.8  | 1               |
| p-Ethyltoluene                                   | ND     |           | ug/kg | 5.8 | 0.34 | 1               |
| 1,2,4,5-Tetramethylbenzene                       | 1.4    | J         | ug/kg | 5.8 | 0.23 | 1               |
| Ethyl ether                                      | ND     |           | ug/kg | 7.3 | 0.38 | 1               |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 7.3 | 0.57 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 93         |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 87         |           | 70-130              |
| Dibromofluoromethane  | 99         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-08 D  
 Client ID: EB-10\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:40  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/27/18 18:12

Analyst: MV

Percent Solids: 78%

| Parameter                                        | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                               | ND     |           | ug/kg | 7900 | 1300 | 10              |
| 1,1-Dichloroethane                               | ND     |           | ug/kg | 1200 | 210  | 10              |
| Chloroform                                       | ND     |           | ug/kg | 1200 | 290  | 10              |
| Carbon tetrachloride                             | ND     |           | ug/kg | 790  | 270  | 10              |
| 1,2-Dichloropropane                              | ND     |           | ug/kg | 2800 | 180  | 10              |
| Dibromochloromethane                             | ND     |           | ug/kg | 790  | 140  | 10              |
| 1,1,2-Trichloroethane                            | ND     |           | ug/kg | 1200 | 250  | 10              |
| Tetrachloroethene                                | ND     |           | ug/kg | 790  | 240  | 10              |
| Chlorobenzene                                    | ND     |           | ug/kg | 790  | 270  | 10              |
| Trichlorofluoromethane                           | ND     |           | ug/kg | 3900 | 330  | 10              |
| 1,2-Dichloroethane                               | ND     |           | ug/kg | 790  | 190  | 10              |
| 1,1,1-Trichloroethane                            | ND     |           | ug/kg | 790  | 280  | 10              |
| Bromodichloromethane                             | ND     |           | ug/kg | 790  | 240  | 10              |
| trans-1,3-Dichloropropene                        | ND     |           | ug/kg | 790  | 160  | 10              |
| cis-1,3-Dichloropropene                          | ND     |           | ug/kg | 790  | 180  | 10              |
| 1,3-Dichloropropene, Total                       | ND     |           | ug/kg | 790  | 160  | 10              |
| 1,1-Dichloropropene                              | ND     |           | ug/kg | 3900 | 260  | 10              |
| Bromoform                                        | ND     |           | ug/kg | 3200 | 190  | 10              |
| 1,1,2,2-Tetrachloroethane                        | ND     |           | ug/kg | 790  | 240  | 10              |
| Benzene                                          | 22000  |           | ug/kg | 790  | 150  | 10              |
| Toluene                                          | 150000 |           | ug/kg | 1200 | 150  | 10              |
| Ethylbenzene                                     | 64000  |           | ug/kg | 790  | 130  | 10              |
| Chloromethane                                    | 1300   | J         | ug/kg | 3900 | 340  | 10              |
| Bromomethane                                     | ND     |           | ug/kg | 1600 | 270  | 10              |
| Vinyl chloride                                   | ND     |           | ug/kg | 1600 | 250  | 10              |
| Chloroethane                                     | ND     |           | ug/kg | 1600 | 250  | 10              |
| 1,1-Dichloroethene                               | ND     |           | ug/kg | 790  | 290  | 10              |
| trans-1,2-Dichloroethene                         | ND     |           | ug/kg | 1200 | 190  | 10              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-08 D  
 Client ID: EB-10\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:40  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                  | ND     |           | ug/kg | 790  | 240  | 10              |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 3900 | 140  | 10              |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 3900 | 170  | 10              |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 3900 | 140  | 10              |
| Methyl tert butyl ether                          | ND     |           | ug/kg | 1600 | 120  | 10              |
| p/m-Xylene                                       | 360000 |           | ug/kg | 1600 | 280  | 10              |
| o-Xylene                                         | 120000 |           | ug/kg | 1600 | 270  | 10              |
| Xylenes, Total                                   | 480000 |           | ug/kg | 1600 | 270  | 10              |
| cis-1,2-Dichloroethene                           | ND     |           | ug/kg | 790  | 270  | 10              |
| 1,2-Dichloroethene, Total                        | ND     |           | ug/kg | 790  | 190  | 10              |
| Dibromomethane                                   | ND     |           | ug/kg | 7900 | 190  | 10              |
| Styrene                                          | ND     |           | ug/kg | 1600 | 320  | 10              |
| Dichlorodifluoromethane                          | ND     |           | ug/kg | 7900 | 390  | 10              |
| Acetone                                          | ND     |           | ug/kg | 7900 | 1800 | 10              |
| Carbon disulfide                                 | ND     |           | ug/kg | 7900 | 870  | 10              |
| 2-Butanone                                       | ND     |           | ug/kg | 7900 | 540  | 10              |
| Vinyl acetate                                    | ND     |           | ug/kg | 7900 | 120  | 10              |
| 4-Methyl-2-pentanone                             | ND     |           | ug/kg | 7900 | 190  | 10              |
| 1,2,3-Trichloropropane                           | ND     |           | ug/kg | 7900 | 140  | 10              |
| 2-Hexanone                                       | ND     |           | ug/kg | 7900 | 520  | 10              |
| Bromochloromethane                               | ND     |           | ug/kg | 3900 | 280  | 10              |
| 2,2-Dichloropropane                              | ND     |           | ug/kg | 3900 | 350  | 10              |
| 1,2-Dibromoethane                                | ND     |           | ug/kg | 3200 | 160  | 10              |
| 1,3-Dichloropropane                              | ND     |           | ug/kg | 3900 | 140  | 10              |
| 1,1,1,2-Tetrachloroethane                        | ND     |           | ug/kg | 790  | 250  | 10              |
| Bromobenzene                                     | ND     |           | ug/kg | 3900 | 170  | 10              |
| n-Butylbenzene                                   | 5700   |           | ug/kg | 790  | 180  | 10              |
| sec-Butylbenzene                                 | 4100   |           | ug/kg | 790  | 170  | 10              |
| tert-Butylbenzene                                | 670    | J         | ug/kg | 3900 | 190  | 10              |
| o-Chlorotoluene                                  | ND     |           | ug/kg | 3900 | 170  | 10              |
| p-Chlorotoluene                                  | ND     |           | ug/kg | 3900 | 140  | 10              |
| 1,2-Dibromo-3-chloropropane                      | ND     |           | ug/kg | 3900 | 310  | 10              |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 3900 | 270  | 10              |
| Isopropylbenzene                                 | 12000  |           | ug/kg | 790  | 150  | 10              |
| p-Isopropyltoluene                               | 6000   |           | ug/kg | 790  | 160  | 10              |
| Naphthalene                                      | 35000  |           | ug/kg | 3900 | 110  | 10              |
| Acrylonitrile                                    | ND     |           | ug/kg | 7900 | 400  | 10              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-08 D**Date Collected:** 04/25/18 13:40**Client ID:** EB-10\_14-16**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Volatile Organics by 8260/5035 - Westborough Lab |        |           |       |       |       |                 |
| n-Propylbenzene                                  | 20000  |           | ug/kg | 790   | 170   | 10              |
| 1,2,3-Trichlorobenzene                           | ND     |           | ug/kg | 3900  | 200   | 10              |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 3900  | 170   | 10              |
| 1,3,5-Trimethylbenzene                           | 67000  |           | ug/kg | 3900  | 130   | 10              |
| 1,2,4-Trimethylbenzene                           | 160000 |           | ug/kg | 3900  | 150   | 10              |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 32000 | 11000 | 10              |
| p-Diethylbenzene                                 | 56000  |           | ug/kg | 3200  | 3200  | 10              |
| p-Ethyltoluene                                   | 120000 |           | ug/kg | 3200  | 180   | 10              |
| 1,2,4,5-Tetramethylbenzene                       | 16000  |           | ug/kg | 3200  | 120   | 10              |
| Ethyl ether                                      | ND     |           | ug/kg | 3900  | 200   | 10              |
| trans-1,4-Dichloro-2-butene                      | ND     |           | ug/kg | 3900  | 310   | 10              |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 92         |           | 70-130              |
| Toluene-d8            | 112        |           | 70-130              |
| 4-Bromofluorobenzene  | 109        |           | 70-130              |
| Dibromofluoromethane  | 88         |           | 70-130              |

Project Name: 551 GREENWICH STREET

Lab Number: L1814580

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/27/18 09:58  
 Analyst: MV

| Parameter                                                                                      | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04,06-07 Batch: WG1110940-5 |        |           |       |     |      |
| Methylene chloride                                                                             | ND     |           | ug/kg | 10  | 1.6  |
| 1,1-Dichloroethane                                                                             | ND     |           | ug/kg | 1.5 | 0.27 |
| Chloroform                                                                                     | ND     |           | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride                                                                           | ND     |           | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloropropane                                                                            | ND     |           | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane                                                                           | ND     |           | ug/kg | 1.0 | 0.18 |
| 1,1,2-Trichloroethane                                                                          | ND     |           | ug/kg | 1.5 | 0.31 |
| Tetrachloroethene                                                                              | ND     |           | ug/kg | 1.0 | 0.30 |
| Chlorobenzene                                                                                  | ND     |           | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane                                                                         | ND     |           | ug/kg | 5.0 | 0.42 |
| 1,2-Dichloroethane                                                                             | ND     |           | ug/kg | 1.0 | 0.25 |
| 1,1,1-Trichloroethane                                                                          | ND     |           | ug/kg | 1.0 | 0.35 |
| Bromodichloromethane                                                                           | ND     |           | ug/kg | 1.0 | 0.31 |
| trans-1,3-Dichloropropene                                                                      | ND     |           | ug/kg | 1.0 | 0.21 |
| cis-1,3-Dichloropropene                                                                        | ND     |           | ug/kg | 1.0 | 0.23 |
| 1,3-Dichloropropene, Total                                                                     | ND     |           | ug/kg | 1.0 | 0.21 |
| 1,1-Dichloropropene                                                                            | ND     |           | ug/kg | 5.0 | 0.33 |
| Bromoform                                                                                      | ND     |           | ug/kg | 4.0 | 0.24 |
| 1,1,2,2-Tetrachloroethane                                                                      | ND     |           | ug/kg | 1.0 | 0.30 |
| Benzene                                                                                        | ND     |           | ug/kg | 1.0 | 0.19 |
| Toluene                                                                                        | ND     |           | ug/kg | 1.5 | 0.20 |
| Ethylbenzene                                                                                   | ND     |           | ug/kg | 1.0 | 0.17 |
| Chloromethane                                                                                  | ND     |           | ug/kg | 5.0 | 0.44 |
| Bromomethane                                                                                   | 0.84   | J         | ug/kg | 2.0 | 0.34 |
| Vinyl chloride                                                                                 | ND     |           | ug/kg | 2.0 | 0.32 |
| Chloroethane                                                                                   | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene                                                                             | ND     |           | ug/kg | 1.0 | 0.37 |
| trans-1,2-Dichloroethene                                                                       | ND     |           | ug/kg | 1.5 | 0.24 |
| Trichloroethene                                                                                | ND     |           | ug/kg | 1.0 | 0.30 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814580

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/27/18 09:58  
 Analyst: MV

| Parameter                                                                                      | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04,06-07 Batch: WG1110940-5 |        |           |       |     |      |
| 1,2-Dichlorobenzene                                                                            | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene                                                                            | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,4-Dichlorobenzene                                                                            | ND     |           | ug/kg | 5.0 | 0.18 |
| Methyl tert butyl ether                                                                        | ND     |           | ug/kg | 2.0 | 0.15 |
| p/m-Xylene                                                                                     | ND     |           | ug/kg | 2.0 | 0.35 |
| o-Xylene                                                                                       | ND     |           | ug/kg | 2.0 | 0.34 |
| Xylenes, Total                                                                                 | ND     |           | ug/kg | 2.0 | 0.34 |
| cis-1,2-Dichloroethene                                                                         | ND     |           | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloroethene, Total                                                                      | ND     |           | ug/kg | 1.0 | 0.24 |
| Dibromomethane                                                                                 | ND     |           | ug/kg | 10  | 0.24 |
| Styrene                                                                                        | ND     |           | ug/kg | 2.0 | 0.40 |
| Dichlorodifluoromethane                                                                        | ND     |           | ug/kg | 10  | 0.50 |
| Acetone                                                                                        | ND     |           | ug/kg | 10  | 2.3  |
| Carbon disulfide                                                                               | ND     |           | ug/kg | 10  | 1.1  |
| 2-Butanone                                                                                     | ND     |           | ug/kg | 10  | 0.69 |
| Vinyl acetate                                                                                  | ND     |           | ug/kg | 10  | 0.15 |
| 4-Methyl-2-pentanone                                                                           | ND     |           | ug/kg | 10  | 0.24 |
| 1,2,3-Trichloropropane                                                                         | ND     |           | ug/kg | 10  | 0.18 |
| 2-Hexanone                                                                                     | ND     |           | ug/kg | 10  | 0.67 |
| Bromochloromethane                                                                             | ND     |           | ug/kg | 5.0 | 0.36 |
| 2,2-Dichloropropane                                                                            | ND     |           | ug/kg | 5.0 | 0.45 |
| 1,2-Dibromoethane                                                                              | ND     |           | ug/kg | 4.0 | 0.20 |
| 1,3-Dichloropropane                                                                            | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,1,1,2-Tetrachloroethane                                                                      | ND     |           | ug/kg | 1.0 | 0.32 |
| Bromobenzene                                                                                   | ND     |           | ug/kg | 5.0 | 0.22 |
| n-Butylbenzene                                                                                 | ND     |           | ug/kg | 1.0 | 0.23 |
| sec-Butylbenzene                                                                               | ND     |           | ug/kg | 1.0 | 0.22 |
| tert-Butylbenzene                                                                              | ND     |           | ug/kg | 5.0 | 0.25 |
| o-Chlorotoluene                                                                                | ND     |           | ug/kg | 5.0 | 0.22 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814580

Project Number: 190043701

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/27/18 09:58  
 Analyst: MV

| Parameter                                                                                      | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04,06-07 Batch: WG1110940-5 |        |           |       |     |      |
| p-Chlorotoluene                                                                                | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,2-Dibromo-3-chloropropane                                                                    | ND     |           | ug/kg | 5.0 | 0.40 |
| Hexachlorobutadiene                                                                            | ND     |           | ug/kg | 5.0 | 0.35 |
| Isopropylbenzene                                                                               | ND     |           | ug/kg | 1.0 | 0.19 |
| p-Isopropyltoluene                                                                             | ND     |           | ug/kg | 1.0 | 0.20 |
| Naphthalene                                                                                    | ND     |           | ug/kg | 5.0 | 0.14 |
| Acrylonitrile                                                                                  | ND     |           | ug/kg | 10  | 0.51 |
| n-Propylbenzene                                                                                | ND     |           | ug/kg | 1.0 | 0.22 |
| 1,2,3-Trichlorobenzene                                                                         | ND     |           | ug/kg | 5.0 | 0.25 |
| 1,2,4-Trichlorobenzene                                                                         | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,3,5-Trimethylbenzene                                                                         | ND     |           | ug/kg | 5.0 | 0.16 |
| 1,2,4-Trimethylbenzene                                                                         | ND     |           | ug/kg | 5.0 | 0.19 |
| 1,4-Dioxane                                                                                    | ND     |           | ug/kg | 40  | 14.  |
| p-Diethylbenzene                                                                               | ND     |           | ug/kg | 4.0 | 4.0  |
| p-Ethyltoluene                                                                                 | ND     |           | ug/kg | 4.0 | 0.23 |
| 1,2,4,5-Tetramethylbenzene                                                                     | ND     |           | ug/kg | 4.0 | 0.16 |
| Ethyl ether                                                                                    | ND     |           | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene                                                                    | ND     |           | ug/kg | 5.0 | 0.39 |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 94        |           | 70-130              |
| Toluene-d8            | 97        |           | 70-130              |
| 4-Bromofluorobenzene  | 85        |           | 70-130              |
| Dibromofluoromethane  | 94        |           | 70-130              |

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/27/18 09:58  
 Analyst: MV

| Parameter                                                                                   | Result | Qualifier | Units | RL  | MDL |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05,08 Batch: WG1110942-5 |        |           |       |     |     |
| Methylene chloride                                                                          | ND     |           | ug/kg | 500 | 82. |
| 1,1-Dichloroethane                                                                          | ND     |           | ug/kg | 75  | 14. |
| Chloroform                                                                                  | ND     |           | ug/kg | 75  | 18. |
| Carbon tetrachloride                                                                        | ND     |           | ug/kg | 50  | 17. |
| 1,2-Dichloropropane                                                                         | ND     |           | ug/kg | 180 | 11. |
| Dibromochloromethane                                                                        | ND     |           | ug/kg | 50  | 8.8 |
| 1,1,2-Trichloroethane                                                                       | ND     |           | ug/kg | 75  | 16. |
| Tetrachloroethene                                                                           | ND     |           | ug/kg | 50  | 15. |
| Chlorobenzene                                                                               | ND     |           | ug/kg | 50  | 17. |
| Trichlorofluoromethane                                                                      | ND     |           | ug/kg | 250 | 21. |
| 1,2-Dichloroethane                                                                          | ND     |           | ug/kg | 50  | 12. |
| 1,1,1-Trichloroethane                                                                       | ND     |           | ug/kg | 50  | 18. |
| Bromodichloromethane                                                                        | ND     |           | ug/kg | 50  | 15. |
| trans-1,3-Dichloropropene                                                                   | ND     |           | ug/kg | 50  | 10. |
| cis-1,3-Dichloropropene                                                                     | ND     |           | ug/kg | 50  | 12. |
| 1,3-Dichloropropene, Total                                                                  | ND     |           | ug/kg | 50  | 10. |
| 1,1-Dichloropropene                                                                         | ND     |           | ug/kg | 250 | 16. |
| Bromoform                                                                                   | ND     |           | ug/kg | 200 | 12. |
| 1,1,2,2-Tetrachloroethane                                                                   | ND     |           | ug/kg | 50  | 15. |
| Benzene                                                                                     | ND     |           | ug/kg | 50  | 9.6 |
| Toluene                                                                                     | ND     |           | ug/kg | 75  | 9.8 |
| Ethylbenzene                                                                                | ND     |           | ug/kg | 50  | 8.5 |
| Chloromethane                                                                               | ND     |           | ug/kg | 250 | 22. |
| Bromomethane                                                                                | 42     | J         | ug/kg | 100 | 17. |
| Vinyl chloride                                                                              | ND     |           | ug/kg | 100 | 16. |
| Chloroethane                                                                                | ND     |           | ug/kg | 100 | 16. |
| 1,1-Dichloroethene                                                                          | ND     |           | ug/kg | 50  | 19. |
| trans-1,2-Dichloroethene                                                                    | ND     |           | ug/kg | 75  | 12. |
| Trichloroethene                                                                             | ND     |           | ug/kg | 50  | 15. |

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/27/18 09:58  
 Analyst: MV

| Parameter                                                                                   | Result | Qualifier | Units | RL  | MDL |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05,08 Batch: WG1110942-5 |        |           |       |     |     |
| 1,2-Dichlorobenzene                                                                         | ND     |           | ug/kg | 250 | 9.1 |
| 1,3-Dichlorobenzene                                                                         | ND     |           | ug/kg | 250 | 11. |
| 1,4-Dichlorobenzene                                                                         | ND     |           | ug/kg | 250 | 9.1 |
| Methyl tert butyl ether                                                                     | ND     |           | ug/kg | 100 | 7.6 |
| p/m-Xylene                                                                                  | ND     |           | ug/kg | 100 | 18. |
| o-Xylene                                                                                    | ND     |           | ug/kg | 100 | 17. |
| Xylenes, Total                                                                              | ND     |           | ug/kg | 100 | 17. |
| cis-1,2-Dichloroethene                                                                      | ND     |           | ug/kg | 50  | 17. |
| 1,2-Dichloroethene, Total                                                                   | ND     |           | ug/kg | 50  | 12. |
| Dibromomethane                                                                              | ND     |           | ug/kg | 500 | 12. |
| Styrene                                                                                     | ND     |           | ug/kg | 100 | 20. |
| Dichlorodifluoromethane                                                                     | ND     |           | ug/kg | 500 | 25. |
| Acetone                                                                                     | ND     |           | ug/kg | 500 | 110 |
| Carbon disulfide                                                                            | ND     |           | ug/kg | 500 | 55. |
| 2-Butanone                                                                                  | ND     |           | ug/kg | 500 | 34. |
| Vinyl acetate                                                                               | ND     |           | ug/kg | 500 | 7.6 |
| 4-Methyl-2-pentanone                                                                        | ND     |           | ug/kg | 500 | 12. |
| 1,2,3-Trichloropropane                                                                      | ND     |           | ug/kg | 500 | 8.8 |
| 2-Hexanone                                                                                  | ND     |           | ug/kg | 500 | 33. |
| Bromochloromethane                                                                          | ND     |           | ug/kg | 250 | 18. |
| 2,2-Dichloropropane                                                                         | ND     |           | ug/kg | 250 | 22. |
| 1,2-Dibromoethane                                                                           | ND     |           | ug/kg | 200 | 10. |
| 1,3-Dichloropropane                                                                         | ND     |           | ug/kg | 250 | 9.2 |
| 1,1,1,2-Tetrachloroethane                                                                   | ND     |           | ug/kg | 50  | 16. |
| Bromobenzene                                                                                | ND     |           | ug/kg | 250 | 11. |
| n-Butylbenzene                                                                              | ND     |           | ug/kg | 50  | 11. |
| sec-Butylbenzene                                                                            | ND     |           | ug/kg | 50  | 11. |
| tert-Butylbenzene                                                                           | ND     |           | ug/kg | 250 | 12. |
| o-Chlorotoluene                                                                             | ND     |           | ug/kg | 250 | 11. |

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/27/18 09:58  
 Analyst: MV

| Parameter                                                                                   | Result | Qualifier | Units | RL   | MDL |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05,08 Batch: WG1110942-5 |        |           |       |      |     |
| p-Chlorotoluene                                                                             | ND     |           | ug/kg | 250  | 9.2 |
| 1,2-Dibromo-3-chloropropane                                                                 | ND     |           | ug/kg | 250  | 20. |
| Hexachlorobutadiene                                                                         | ND     |           | ug/kg | 250  | 17. |
| Isopropylbenzene                                                                            | ND     |           | ug/kg | 50   | 9.7 |
| p-Isopropyltoluene                                                                          | ND     |           | ug/kg | 50   | 10. |
| Naphthalene                                                                                 | ND     |           | ug/kg | 250  | 6.9 |
| Acrylonitrile                                                                               | ND     |           | ug/kg | 500  | 26. |
| n-Propylbenzene                                                                             | ND     |           | ug/kg | 50   | 11. |
| 1,2,3-Trichlorobenzene                                                                      | ND     |           | ug/kg | 250  | 12. |
| 1,2,4-Trichlorobenzene                                                                      | ND     |           | ug/kg | 250  | 11. |
| 1,3,5-Trimethylbenzene                                                                      | ND     |           | ug/kg | 250  | 8.0 |
| 1,2,4-Trimethylbenzene                                                                      | ND     |           | ug/kg | 250  | 9.3 |
| 1,4-Dioxane                                                                                 | ND     |           | ug/kg | 2000 | 720 |
| p-Diethylbenzene                                                                            | ND     |           | ug/kg | 200  | 200 |
| p-Ethyltoluene                                                                              | ND     |           | ug/kg | 200  | 12. |
| 1,2,4,5-Tetramethylbenzene                                                                  | ND     |           | ug/kg | 200  | 7.8 |
| Ethyl ether                                                                                 | ND     |           | ug/kg | 250  | 13. |
| trans-1,4-Dichloro-2-butene                                                                 | ND     |           | ug/kg | 250  | 20. |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 94        |           | 70-130              |
| Toluene-d8            | 97        |           | 70-130              |
| 4-Bromofluorobenzene  | 86        |           | 70-130              |
| Dibromofluoromethane  | 94        |           | 70-130              |

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/29/18 11:40  
 Analyst: AD

| Parameter                                                                                 | Result | Qualifier | Units | RL   | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06 Batch: WG1111043-5 |        |           |       |      |     |
| Methylene chloride                                                                        | ND     |           | ug/kg | 500  | 82. |
| 1,1-Dichloroethane                                                                        | ND     |           | ug/kg | 75   | 14. |
| Chloroform                                                                                | ND     |           | ug/kg | 75   | 18. |
| Carbon tetrachloride                                                                      | ND     |           | ug/kg | 50   | 17. |
| 1,2-Dichloropropane                                                                       | ND     |           | ug/kg | 180  | 11. |
| Dibromochloromethane                                                                      | ND     |           | ug/kg | 50   | 8.8 |
| 2-Chloroethylvinyl ether                                                                  | ND     |           | ug/kg | 1000 | 31. |
| 1,1,2-Trichloroethane                                                                     | ND     |           | ug/kg | 75   | 16. |
| Tetrachloroethene                                                                         | ND     |           | ug/kg | 50   | 15. |
| Chlorobenzene                                                                             | ND     |           | ug/kg | 50   | 17. |
| Trichlorofluoromethane                                                                    | ND     |           | ug/kg | 250  | 21. |
| 1,2-Dichloroethane                                                                        | ND     |           | ug/kg | 50   | 12. |
| 1,1,1-Trichloroethane                                                                     | ND     |           | ug/kg | 50   | 18. |
| Bromodichloromethane                                                                      | ND     |           | ug/kg | 50   | 15. |
| trans-1,3-Dichloropropene                                                                 | ND     |           | ug/kg | 50   | 10. |
| cis-1,3-Dichloropropene                                                                   | ND     |           | ug/kg | 50   | 12. |
| 1,3-Dichloropropene, Total                                                                | ND     |           | ug/kg | 50   | 10. |
| 1,1-Dichloropropene                                                                       | ND     |           | ug/kg | 250  | 16. |
| Bromoform                                                                                 | ND     |           | ug/kg | 200  | 12. |
| 1,1,2,2-Tetrachloroethane                                                                 | ND     |           | ug/kg | 50   | 15. |
| Benzene                                                                                   | ND     |           | ug/kg | 50   | 9.6 |
| Toluene                                                                                   | ND     |           | ug/kg | 75   | 9.8 |
| Ethylbenzene                                                                              | ND     |           | ug/kg | 50   | 8.5 |
| Chloromethane                                                                             | ND     |           | ug/kg | 250  | 22. |
| Bromomethane                                                                              | 21     | J         | ug/kg | 100  | 17. |
| Vinyl chloride                                                                            | ND     |           | ug/kg | 100  | 16. |
| Chloroethane                                                                              | ND     |           | ug/kg | 100  | 16. |
| 1,1-Dichloroethene                                                                        | ND     |           | ug/kg | 50   | 19. |
| trans-1,2-Dichloroethene                                                                  | ND     |           | ug/kg | 75   | 12. |



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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/29/18 11:40  
 Analyst: AD

| Parameter                                                                                 | Result | Qualifier | Units | RL  | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06 Batch: WG1111043-5 |        |           |       |     |     |
| Trichloroethene                                                                           | ND     |           | ug/kg | 50  | 15. |
| 1,2-Dichlorobenzene                                                                       | ND     |           | ug/kg | 250 | 9.1 |
| 1,3-Dichlorobenzene                                                                       | ND     |           | ug/kg | 250 | 11. |
| 1,4-Dichlorobenzene                                                                       | ND     |           | ug/kg | 250 | 9.1 |
| Methyl tert butyl ether                                                                   | 9.6    | J         | ug/kg | 100 | 7.6 |
| p/m-Xylene                                                                                | ND     |           | ug/kg | 100 | 18. |
| o-Xylene                                                                                  | ND     |           | ug/kg | 100 | 17. |
| Xylene (Total)                                                                            | ND     |           | ug/kg | 100 | 17. |
| cis-1,2-Dichloroethene                                                                    | ND     |           | ug/kg | 50  | 17. |
| 1,2-Dichloroethene (total)                                                                | ND     |           | ug/kg | 50  | 12. |
| Dibromomethane                                                                            | ND     |           | ug/kg | 500 | 12. |
| Styrene                                                                                   | ND     |           | ug/kg | 100 | 20. |
| Dichlorodifluoromethane                                                                   | ND     |           | ug/kg | 500 | 25. |
| Acetone                                                                                   | ND     |           | ug/kg | 500 | 110 |
| Carbon disulfide                                                                          | ND     |           | ug/kg | 500 | 55. |
| 2-Butanone                                                                                | ND     |           | ug/kg | 500 | 34. |
| Vinyl acetate                                                                             | ND     |           | ug/kg | 500 | 7.6 |
| 4-Methyl-2-pentanone                                                                      | ND     |           | ug/kg | 500 | 12. |
| 1,2,3-Trichloropropane                                                                    | ND     |           | ug/kg | 500 | 8.8 |
| 2-Hexanone                                                                                | ND     |           | ug/kg | 500 | 33. |
| Bromochloromethane                                                                        | ND     |           | ug/kg | 250 | 18. |
| 2,2-Dichloropropane                                                                       | ND     |           | ug/kg | 250 | 22. |
| 1,2-Dibromoethane                                                                         | ND     |           | ug/kg | 200 | 10. |
| 1,3-Dichloropropane                                                                       | ND     |           | ug/kg | 250 | 9.2 |
| 1,1,1,2-Tetrachloroethane                                                                 | ND     |           | ug/kg | 50  | 16. |
| Bromobenzene                                                                              | ND     |           | ug/kg | 250 | 11. |
| n-Butylbenzene                                                                            | ND     |           | ug/kg | 50  | 11. |
| sec-Butylbenzene                                                                          | ND     |           | ug/kg | 50  | 11. |
| tert-Butylbenzene                                                                         | ND     |           | ug/kg | 250 | 12. |

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/29/18 11:40  
 Analyst: AD

| Parameter                                                                                 | Result | Qualifier | Units | RL   | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06 Batch: WG1111043-5 |        |           |       |      |     |
| o-Chlorotoluene                                                                           | ND     |           | ug/kg | 250  | 11. |
| p-Chlorotoluene                                                                           | ND     |           | ug/kg | 250  | 9.2 |
| 1,2-Dibromo-3-chloropropane                                                               | ND     |           | ug/kg | 250  | 20. |
| Hexachlorobutadiene                                                                       | ND     |           | ug/kg | 250  | 17. |
| Isopropylbenzene                                                                          | ND     |           | ug/kg | 50   | 9.7 |
| p-Isopropyltoluene                                                                        | ND     |           | ug/kg | 50   | 10. |
| Naphthalene                                                                               | ND     |           | ug/kg | 250  | 6.9 |
| Acrylonitrile                                                                             | ND     |           | ug/kg | 500  | 26. |
| Isopropyl Ether                                                                           | ND     |           | ug/kg | 200  | 14. |
| tert-Butyl Alcohol                                                                        | ND     |           | ug/kg | 3000 | 150 |
| n-Propylbenzene                                                                           | ND     |           | ug/kg | 50   | 11. |
| 1,2,3-Trichlorobenzene                                                                    | ND     |           | ug/kg | 250  | 12. |
| 1,2,4-Trichlorobenzene                                                                    | ND     |           | ug/kg | 250  | 11. |
| 1,3,5-Trimethylbenzene                                                                    | ND     |           | ug/kg | 250  | 8.0 |
| 1,2,4-Trimethylbenzene                                                                    | ND     |           | ug/kg | 250  | 9.3 |
| Methyl Acetate                                                                            | ND     |           | ug/kg | 1000 | 23. |
| Ethyl Acetate                                                                             | ND     |           | ug/kg | 1000 | 100 |
| Acrolein                                                                                  | ND     |           | ug/kg | 1200 | 400 |
| Cyclohexane                                                                               | ND     |           | ug/kg | 1000 | 22. |
| 1,4-Dioxane                                                                               | ND     |           | ug/kg | 2000 | 720 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                     | ND     |           | ug/kg | 1000 | 26. |
| 1,4-Diethylbenzene                                                                        | ND     |           | ug/kg | 200  | 200 |
| 4-Ethyltoluene                                                                            | ND     |           | ug/kg | 200  | 12. |
| 1,2,4,5-Tetramethylbenzene                                                                | ND     |           | ug/kg | 200  | 7.8 |
| Tetrahydrofuran                                                                           | ND     |           | ug/kg | 1000 | 50. |
| Ethyl ether                                                                               | ND     |           | ug/kg | 250  | 13. |
| trans-1,4-Dichloro-2-butene                                                               | ND     |           | ug/kg | 250  | 20. |
| Methyl cyclohexane                                                                        | ND     |           | ug/kg | 200  | 12. |
| Ethyl-Tert-Butyl-Ether                                                                    | ND     |           | ug/kg | 200  | 8.9 |

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/29/18 11:40  
 Analyst: AD

| Parameter                                                                                 | Result | Qualifier | Units | RL  | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06 Batch: WG1111043-5 |        |           |       |     |     |
| Tertiary-Amyl Methyl Ether                                                                | ND     |           | ug/kg | 200 | 12. |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 92        |           | 70-130                 |
| Toluene-d8            | 97        |           | 70-130                 |
| 4-Bromofluorobenzene  | 91        |           | 70-130                 |
| Dibromofluoromethane  | 97        |           | 70-130                 |

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### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/02/18 07:59  
 Analyst: MV

| Parameter                                                                             | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG1111798-5 |        |           |       |     |      |
| Methylene chloride                                                                    | ND     |           | ug/kg | 10  | 1.6  |
| 1,1-Dichloroethane                                                                    | ND     |           | ug/kg | 1.5 | 0.27 |
| Chloroform                                                                            | ND     |           | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride                                                                  | ND     |           | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloropropane                                                                   | ND     |           | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane                                                                  | ND     |           | ug/kg | 1.0 | 0.18 |
| 1,1,2-Trichloroethane                                                                 | ND     |           | ug/kg | 1.5 | 0.31 |
| Tetrachloroethene                                                                     | ND     |           | ug/kg | 1.0 | 0.30 |
| Chlorobenzene                                                                         | ND     |           | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane                                                                | ND     |           | ug/kg | 5.0 | 0.42 |
| 1,2-Dichloroethane                                                                    | ND     |           | ug/kg | 1.0 | 0.25 |
| 1,1,1-Trichloroethane                                                                 | ND     |           | ug/kg | 1.0 | 0.35 |
| Bromodichloromethane                                                                  | ND     |           | ug/kg | 1.0 | 0.31 |
| trans-1,3-Dichloropropene                                                             | ND     |           | ug/kg | 1.0 | 0.21 |
| cis-1,3-Dichloropropene                                                               | ND     |           | ug/kg | 1.0 | 0.23 |
| 1,3-Dichloropropene, Total                                                            | ND     |           | ug/kg | 1.0 | 0.21 |
| 1,1-Dichloropropene                                                                   | ND     |           | ug/kg | 5.0 | 0.33 |
| Bromoform                                                                             | ND     |           | ug/kg | 4.0 | 0.24 |
| 1,1,2,2-Tetrachloroethane                                                             | ND     |           | ug/kg | 1.0 | 0.30 |
| Benzene                                                                               | ND     |           | ug/kg | 1.0 | 0.19 |
| Toluene                                                                               | ND     |           | ug/kg | 1.5 | 0.20 |
| Ethylbenzene                                                                          | ND     |           | ug/kg | 1.0 | 0.17 |
| Chloromethane                                                                         | ND     |           | ug/kg | 5.0 | 0.44 |
| Bromomethane                                                                          | 0.98   | J         | ug/kg | 2.0 | 0.34 |
| Vinyl chloride                                                                        | ND     |           | ug/kg | 2.0 | 0.32 |
| Chloroethane                                                                          | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene                                                                    | ND     |           | ug/kg | 1.0 | 0.37 |
| trans-1,2-Dichloroethene                                                              | ND     |           | ug/kg | 1.5 | 0.24 |
| Trichloroethene                                                                       | ND     |           | ug/kg | 1.0 | 0.30 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814580

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/02/18 07:59  
 Analyst: MV

| Parameter                                                                             | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG1111798-5 |        |           |       |     |      |
| 1,2-Dichlorobenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,4-Dichlorobenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.18 |
| Methyl tert butyl ether                                                               | ND     |           | ug/kg | 2.0 | 0.15 |
| p/m-Xylene                                                                            | ND     |           | ug/kg | 2.0 | 0.35 |
| o-Xylene                                                                              | ND     |           | ug/kg | 2.0 | 0.34 |
| Xylenes, Total                                                                        | ND     |           | ug/kg | 2.0 | 0.34 |
| cis-1,2-Dichloroethene                                                                | ND     |           | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloroethene, Total                                                             | ND     |           | ug/kg | 1.0 | 0.24 |
| Dibromomethane                                                                        | ND     |           | ug/kg | 10  | 0.24 |
| Styrene                                                                               | ND     |           | ug/kg | 2.0 | 0.40 |
| Dichlorodifluoromethane                                                               | ND     |           | ug/kg | 10  | 0.50 |
| Acetone                                                                               | ND     |           | ug/kg | 10  | 2.3  |
| Carbon disulfide                                                                      | ND     |           | ug/kg | 10  | 1.1  |
| 2-Butanone                                                                            | ND     |           | ug/kg | 10  | 0.69 |
| Vinyl acetate                                                                         | ND     |           | ug/kg | 10  | 0.15 |
| 4-Methyl-2-pentanone                                                                  | ND     |           | ug/kg | 10  | 0.24 |
| 1,2,3-Trichloropropane                                                                | ND     |           | ug/kg | 10  | 0.18 |
| 2-Hexanone                                                                            | ND     |           | ug/kg | 10  | 0.67 |
| Bromochloromethane                                                                    | ND     |           | ug/kg | 5.0 | 0.36 |
| 2,2-Dichloropropane                                                                   | ND     |           | ug/kg | 5.0 | 0.45 |
| 1,2-Dibromoethane                                                                     | ND     |           | ug/kg | 4.0 | 0.20 |
| 1,3-Dichloropropane                                                                   | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,1,1,2-Tetrachloroethane                                                             | ND     |           | ug/kg | 1.0 | 0.32 |
| Bromobenzene                                                                          | ND     |           | ug/kg | 5.0 | 0.22 |
| n-Butylbenzene                                                                        | ND     |           | ug/kg | 1.0 | 0.23 |
| sec-Butylbenzene                                                                      | ND     |           | ug/kg | 1.0 | 0.22 |
| tert-Butylbenzene                                                                     | ND     |           | ug/kg | 5.0 | 0.25 |
| o-Chlorotoluene                                                                       | ND     |           | ug/kg | 5.0 | 0.22 |

Project Name: 551 GREENWICH STREET

Lab Number: L1814580

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/02/18 07:59  
 Analyst: MV

| Parameter                                                                             | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG1111798-5 |        |           |       |     |      |
| p-Chlorotoluene                                                                       | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,2-Dibromo-3-chloropropane                                                           | ND     |           | ug/kg | 5.0 | 0.40 |
| Hexachlorobutadiene                                                                   | ND     |           | ug/kg | 5.0 | 0.35 |
| Isopropylbenzene                                                                      | ND     |           | ug/kg | 1.0 | 0.19 |
| p-Isopropyltoluene                                                                    | ND     |           | ug/kg | 1.0 | 0.20 |
| Naphthalene                                                                           | ND     |           | ug/kg | 5.0 | 0.14 |
| Acrylonitrile                                                                         | ND     |           | ug/kg | 10  | 0.51 |
| n-Propylbenzene                                                                       | ND     |           | ug/kg | 1.0 | 0.22 |
| 1,2,3-Trichlorobenzene                                                                | ND     |           | ug/kg | 5.0 | 0.25 |
| 1,2,4-Trichlorobenzene                                                                | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,3,5-Trimethylbenzene                                                                | ND     |           | ug/kg | 5.0 | 0.16 |
| 1,2,4-Trimethylbenzene                                                                | ND     |           | ug/kg | 5.0 | 0.19 |
| 1,4-Dioxane                                                                           | ND     |           | ug/kg | 40  | 14.  |
| p-Diethylbenzene                                                                      | ND     |           | ug/kg | 4.0 | 4.0  |
| p-Ethyltoluene                                                                        | ND     |           | ug/kg | 4.0 | 0.23 |
| 1,2,4,5-Tetramethylbenzene                                                            | ND     |           | ug/kg | 4.0 | 0.16 |
| Ethyl ether                                                                           | ND     |           | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene                                                           | ND     |           | ug/kg | 5.0 | 0.39 |

#### Tentatively Identified Compounds

|                     |      |   |       |
|---------------------|------|---|-------|
| Total TIC Compounds | 5.60 | J | ug/kg |
| Unknown             | 5.60 | J | ug/kg |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C

Analytical Date: 05/02/18 07:59

Analyst: MV

| Parameter                                                                             | Result | Qualifier | Units | RL | MDL |
|---------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG1111798-5 |        |           |       |    |     |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 92        |           | 70-130                 |
| Toluene-d8            | 105       |           | 70-130                 |
| 4-Bromofluorobenzene  | 100       |           | 70-130                 |
| Dibromofluoromethane  | 101       |           | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                         | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,06-07 Batch: WG1110940-3 WG1110940-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                                | 110              |      | 100               |      | 70-130              | 10  |      | 30            |
| 1,1-Dichloroethane                                                                                                | 98               |      | 91                |      | 70-130              | 7   |      | 30            |
| Chloroform                                                                                                        | 105              |      | 89                |      | 70-130              | 16  |      | 30            |
| Carbon tetrachloride                                                                                              | 120              |      | 107               |      | 70-130              | 11  |      | 30            |
| 1,2-Dichloropropane                                                                                               | 88               |      | 86                |      | 70-130              | 2   |      | 30            |
| Dibromochloromethane                                                                                              | 102              |      | 99                |      | 70-130              | 3   |      | 30            |
| 1,1,2-Trichloroethane                                                                                             | 95               |      | 90                |      | 70-130              | 5   |      | 30            |
| Tetrachloroethene                                                                                                 | 116              |      | 110               |      | 70-130              | 5   |      | 30            |
| Chlorobenzene                                                                                                     | 104              |      | 102               |      | 70-130              | 2   |      | 30            |
| Trichlorofluoromethane                                                                                            | 110              |      | 98                |      | 70-139              | 12  |      | 30            |
| 1,2-Dichloroethane                                                                                                | 98               |      | 88                |      | 70-130              | 11  |      | 30            |
| 1,1,1-Trichloroethane                                                                                             | 110              |      | 98                |      | 70-130              | 12  |      | 30            |
| Bromodichloromethane                                                                                              | 95               |      | 93                |      | 70-130              | 2   |      | 30            |
| trans-1,3-Dichloropropene                                                                                         | 90               |      | 87                |      | 70-130              | 3   |      | 30            |
| cis-1,3-Dichloropropene                                                                                           | 97               |      | 85                |      | 70-130              | 13  |      | 30            |
| 1,1-Dichloropropene                                                                                               | 103              |      | 91                |      | 70-130              | 12  |      | 30            |
| Bromoform                                                                                                         | 104              |      | 102               |      | 70-130              | 2   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                         | 90               |      | 88                |      | 70-130              | 2   |      | 30            |
| Benzene                                                                                                           | 102              |      | 91                |      | 70-130              | 11  |      | 30            |
| Toluene                                                                                                           | 90               |      | 86                |      | 70-130              | 5   |      | 30            |
| Ethylbenzene                                                                                                      | 96               |      | 94                |      | 70-130              | 2   |      | 30            |
| Chloromethane                                                                                                     | 93               |      | 80                |      | 52-130              | 15  |      | 30            |
| Bromomethane                                                                                                      | 120              |      | 103               |      | 57-147              | 15  |      | 30            |



# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                         | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,06-07 Batch: WG1110940-3 WG1110940-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                    | 103              |      | 90                |      | 67-130              | 13  |      | 30            |
| Chloroethane                                                                                                      | 94               |      | 84                |      | 50-151              | 11  |      | 30            |
| 1,1-Dichloroethene                                                                                                | 117              |      | 104               |      | 65-135              | 12  |      | 30            |
| trans-1,2-Dichloroethene                                                                                          | 112              |      | 100               |      | 70-130              | 11  |      | 30            |
| Trichloroethene                                                                                                   | 102              |      | 92                |      | 70-130              | 10  |      | 30            |
| 1,2-Dichlorobenzene                                                                                               | 106              |      | 104               |      | 70-130              | 2   |      | 30            |
| 1,3-Dichlorobenzene                                                                                               | 107              |      | 104               |      | 70-130              | 3   |      | 30            |
| 1,4-Dichlorobenzene                                                                                               | 106              |      | 102               |      | 70-130              | 4   |      | 30            |
| Methyl tert butyl ether                                                                                           | 105              |      | 95                |      | 66-130              | 10  |      | 30            |
| p/m-Xylene                                                                                                        | 104              |      | 99                |      | 70-130              | 5   |      | 30            |
| o-Xylene                                                                                                          | 102              |      | 98                |      | 70-130              | 4   |      | 30            |
| cis-1,2-Dichloroethene                                                                                            | 112              |      | 99                |      | 70-130              | 12  |      | 30            |
| Dibromomethane                                                                                                    | 99               |      | 97                |      | 70-130              | 2   |      | 30            |
| Styrene                                                                                                           | 100              |      | 98                |      | 70-130              | 2   |      | 30            |
| Dichlorodifluoromethane                                                                                           | 110              |      | 96                |      | 30-146              | 14  |      | 30            |
| Acetone                                                                                                           | 87               |      | 81                |      | 54-140              | 7   |      | 30            |
| Carbon disulfide                                                                                                  | 107              |      | 95                |      | 59-130              | 12  |      | 30            |
| 2-Butanone                                                                                                        | 87               |      | 80                |      | 70-130              | 8   |      | 30            |
| Vinyl acetate                                                                                                     | 88               |      | 78                |      | 70-130              | 12  |      | 30            |
| 4-Methyl-2-pentanone                                                                                              | 76               |      | 70                |      | 70-130              | 8   |      | 30            |
| 1,2,3-Trichloropropane                                                                                            | 89               |      | 85                |      | 68-130              | 5   |      | 30            |
| 2-Hexanone                                                                                                        | 72               |      | 72                |      | 70-130              | 0   |      | 30            |
| Bromochloromethane                                                                                                | 121              |      | 111               |      | 70-130              | 9   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                         | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,06-07 Batch: WG1110940-3 WG1110940-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                               | 101              |      | 94                |      | 70-130              | 7   |      | 30            |
| 1,2-Dibromoethane                                                                                                 | 103              |      | 100               |      | 70-130              | 3   |      | 30            |
| 1,3-Dichloropropane                                                                                               | 93               |      | 91                |      | 69-130              | 2   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                                         | 107              |      | 105               |      | 70-130              | 2   |      | 30            |
| Bromobenzene                                                                                                      | 107              |      | 104               |      | 70-130              | 3   |      | 30            |
| n-Butylbenzene                                                                                                    | 97               |      | 92                |      | 70-130              | 5   |      | 30            |
| sec-Butylbenzene                                                                                                  | 97               |      | 94                |      | 70-130              | 3   |      | 30            |
| tert-Butylbenzene                                                                                                 | 97               |      | 94                |      | 70-130              | 3   |      | 30            |
| o-Chlorotoluene                                                                                                   | 92               |      | 90                |      | 70-130              | 2   |      | 30            |
| p-Chlorotoluene                                                                                                   | 91               |      | 89                |      | 70-130              | 2   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                                       | 93               |      | 91                |      | 68-130              | 2   |      | 30            |
| Hexachlorobutadiene                                                                                               | 121              |      | 114               |      | 67-130              | 6   |      | 30            |
| Isopropylbenzene                                                                                                  | 95               |      | 91                |      | 70-130              | 4   |      | 30            |
| p-Isopropyltoluene                                                                                                | 99               |      | 95                |      | 70-130              | 4   |      | 30            |
| Naphthalene                                                                                                       | 98               |      | 94                |      | 70-130              | 4   |      | 30            |
| Acrylonitrile                                                                                                     | 96               |      | 86                |      | 70-130              | 11  |      | 30            |
| n-Propylbenzene                                                                                                   | 94               |      | 90                |      | 70-130              | 4   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                            | 117              |      | 113               |      | 70-130              | 3   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                            | 115              |      | 111               |      | 70-130              | 4   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                            | 96               |      | 92                |      | 70-130              | 4   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                            | 94               |      | 92                |      | 70-130              | 2   |      | 30            |
| 1,4-Dioxane                                                                                                       | 92               |      | 90                |      | 65-136              | 2   |      | 30            |
| p-Diethylbenzene                                                                                                  | 97               |      | 92                |      | 70-130              | 5   |      | 30            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                         | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,06-07 Batch: WG1110940-3 WG1110940-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene                                                                                                    | 93               |      | 88                |      | 70-130              | 6   |      | 30            |
| 1,2,4,5-Tetramethylbenzene                                                                                        | 94               |      | 90                |      | 70-130              | 4   |      | 30            |
| Ethyl ether                                                                                                       | 113              |      | 103               |      | 67-130              | 9   |      | 30            |
| trans-1,4-Dichloro-2-butene                                                                                       | 90               |      | 85                |      | 70-130              | 6   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 102              |      | 94                |      | 70-130                 |
| Toluene-d8            | 95               |      | 95                |      | 70-130                 |
| 4-Bromofluorobenzene  | 86               |      | 86                |      | 70-130                 |
| Dibromofluoromethane  | 108              |      | 102               |      | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05,08 Batch: WG1110942-3 WG1110942-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                             | 110              |      | 100               |      | 70-130              | 10  |      | 30            |
| 1,1-Dichloroethane                                                                                             | 98               |      | 91                |      | 70-130              | 7   |      | 30            |
| Chloroform                                                                                                     | 105              |      | 89                |      | 70-130              | 16  |      | 30            |
| Carbon tetrachloride                                                                                           | 120              |      | 107               |      | 70-130              | 11  |      | 30            |
| 1,2-Dichloropropane                                                                                            | 88               |      | 86                |      | 70-130              | 2   |      | 30            |
| Dibromochloromethane                                                                                           | 102              |      | 99                |      | 70-130              | 3   |      | 30            |
| 1,1,2-Trichloroethane                                                                                          | 95               |      | 90                |      | 70-130              | 5   |      | 30            |
| Tetrachloroethene                                                                                              | 116              |      | 110               |      | 70-130              | 5   |      | 30            |
| Chlorobenzene                                                                                                  | 104              |      | 102               |      | 70-130              | 2   |      | 30            |
| Trichlorofluoromethane                                                                                         | 110              |      | 98                |      | 70-139              | 12  |      | 30            |
| 1,2-Dichloroethane                                                                                             | 98               |      | 88                |      | 70-130              | 11  |      | 30            |
| 1,1,1-Trichloroethane                                                                                          | 110              |      | 98                |      | 70-130              | 12  |      | 30            |
| Bromodichloromethane                                                                                           | 95               |      | 93                |      | 70-130              | 2   |      | 30            |
| trans-1,3-Dichloropropene                                                                                      | 90               |      | 87                |      | 70-130              | 3   |      | 30            |
| cis-1,3-Dichloropropene                                                                                        | 97               |      | 85                |      | 70-130              | 13  |      | 30            |
| 1,1-Dichloropropene                                                                                            | 103              |      | 91                |      | 70-130              | 12  |      | 30            |
| Bromoform                                                                                                      | 104              |      | 102               |      | 70-130              | 2   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                      | 90               |      | 88                |      | 70-130              | 2   |      | 30            |
| Benzene                                                                                                        | 102              |      | 91                |      | 70-130              | 11  |      | 30            |
| Toluene                                                                                                        | 90               |      | 86                |      | 70-130              | 5   |      | 30            |
| Ethylbenzene                                                                                                   | 96               |      | 94                |      | 70-130              | 2   |      | 30            |
| Chloromethane                                                                                                  | 93               |      | 80                |      | 52-130              | 15  |      | 30            |
| Bromomethane                                                                                                   | 120              |      | 103               |      | 57-147              | 15  |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05,08 Batch: WG1110942-3 WG1110942-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                 | 103              |      | 90                |      | 67-130              | 13  |      | 30            |
| Chloroethane                                                                                                   | 94               |      | 84                |      | 50-151              | 11  |      | 30            |
| 1,1-Dichloroethene                                                                                             | 117              |      | 104               |      | 65-135              | 12  |      | 30            |
| trans-1,2-Dichloroethene                                                                                       | 112              |      | 100               |      | 70-130              | 11  |      | 30            |
| Trichloroethene                                                                                                | 102              |      | 92                |      | 70-130              | 10  |      | 30            |
| 1,2-Dichlorobenzene                                                                                            | 106              |      | 104               |      | 70-130              | 2   |      | 30            |
| 1,3-Dichlorobenzene                                                                                            | 107              |      | 104               |      | 70-130              | 3   |      | 30            |
| 1,4-Dichlorobenzene                                                                                            | 106              |      | 102               |      | 70-130              | 4   |      | 30            |
| Methyl tert butyl ether                                                                                        | 105              |      | 95                |      | 66-130              | 10  |      | 30            |
| p/m-Xylene                                                                                                     | 104              |      | 99                |      | 70-130              | 5   |      | 30            |
| o-Xylene                                                                                                       | 102              |      | 98                |      | 70-130              | 4   |      | 30            |
| cis-1,2-Dichloroethene                                                                                         | 112              |      | 99                |      | 70-130              | 12  |      | 30            |
| Dibromomethane                                                                                                 | 99               |      | 97                |      | 70-130              | 2   |      | 30            |
| Styrene                                                                                                        | 100              |      | 98                |      | 70-130              | 2   |      | 30            |
| Dichlorodifluoromethane                                                                                        | 110              |      | 96                |      | 30-146              | 14  |      | 30            |
| Acetone                                                                                                        | 87               |      | 81                |      | 54-140              | 7   |      | 30            |
| Carbon disulfide                                                                                               | 107              |      | 95                |      | 59-130              | 12  |      | 30            |
| 2-Butanone                                                                                                     | 87               |      | 80                |      | 70-130              | 8   |      | 30            |
| Vinyl acetate                                                                                                  | 88               |      | 78                |      | 70-130              | 12  |      | 30            |
| 4-Methyl-2-pentanone                                                                                           | 76               |      | 70                |      | 70-130              | 8   |      | 30            |
| 1,2,3-Trichloropropane                                                                                         | 89               |      | 85                |      | 68-130              | 5   |      | 30            |
| 2-Hexanone                                                                                                     | 72               |      | 72                |      | 70-130              | 0   |      | 30            |
| Bromochloromethane                                                                                             | 121              |      | 111               |      | 70-130              | 9   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05,08 Batch: WG1110942-3 WG1110942-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                            | 101              |      | 94                |      | 70-130              | 7   |      | 30            |
| 1,2-Dibromoethane                                                                                              | 103              |      | 100               |      | 70-130              | 3   |      | 30            |
| 1,3-Dichloropropane                                                                                            | 93               |      | 91                |      | 69-130              | 2   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                                      | 107              |      | 105               |      | 70-130              | 2   |      | 30            |
| Bromobenzene                                                                                                   | 107              |      | 104               |      | 70-130              | 3   |      | 30            |
| n-Butylbenzene                                                                                                 | 97               |      | 92                |      | 70-130              | 5   |      | 30            |
| sec-Butylbenzene                                                                                               | 97               |      | 94                |      | 70-130              | 3   |      | 30            |
| tert-Butylbenzene                                                                                              | 97               |      | 94                |      | 70-130              | 3   |      | 30            |
| o-Chlorotoluene                                                                                                | 92               |      | 90                |      | 70-130              | 2   |      | 30            |
| p-Chlorotoluene                                                                                                | 91               |      | 89                |      | 70-130              | 2   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                                    | 93               |      | 91                |      | 68-130              | 2   |      | 30            |
| Hexachlorobutadiene                                                                                            | 121              |      | 114               |      | 67-130              | 6   |      | 30            |
| Isopropylbenzene                                                                                               | 95               |      | 91                |      | 70-130              | 4   |      | 30            |
| p-Isopropyltoluene                                                                                             | 99               |      | 95                |      | 70-130              | 4   |      | 30            |
| Naphthalene                                                                                                    | 98               |      | 94                |      | 70-130              | 4   |      | 30            |
| Acrylonitrile                                                                                                  | 96               |      | 86                |      | 70-130              | 11  |      | 30            |
| n-Propylbenzene                                                                                                | 94               |      | 90                |      | 70-130              | 4   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                         | 117              |      | 113               |      | 70-130              | 3   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                         | 115              |      | 111               |      | 70-130              | 4   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                         | 96               |      | 92                |      | 70-130              | 4   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                         | 94               |      | 92                |      | 70-130              | 2   |      | 30            |
| 1,4-Dioxane                                                                                                    | 92               |      | 90                |      | 65-136              | 2   |      | 30            |
| p-Diethylbenzene                                                                                               | 97               |      | 92                |      | 70-130              | 5   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| <b>Parameter</b>                                                                                               | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|----------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05,08 Batch: WG1110942-3 WG1110942-4 |                          |             |                           |             |                             |            |             |                       |
| p-Ethyltoluene                                                                                                 | 93                       |             | 88                        |             | 70-130                      | 6          |             | 30                    |
| 1,2,4,5-Tetramethylbenzene                                                                                     | 94                       |             | 90                        |             | 70-130                      | 4          |             | 30                    |
| Ethyl ether                                                                                                    | 113                      |             | 103                       |             | 67-130                      | 9          |             | 30                    |
| trans-1,4-Dichloro-2-butene                                                                                    | 90                       |             | 85                        |             | 70-130                      | 6          |             | 30                    |

| <b>Surrogate</b>      | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|-----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,2-Dichloroethane-d4 | 102                      |             | 94                        |             | 70-130                         |
| Toluene-d8            | 95                       |             | 95                        |             | 70-130                         |
| 4-Bromofluorobenzene  | 86                       |             | 86                        |             | 70-130                         |
| Dibromofluoromethane  | 108                      |             | 102                       |             | 70-130                         |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG1111043-3 WG1111043-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                           | 97               |      | 90                |      | 70-130              | 7   |      | 30            |
| 1,1-Dichloroethane                                                                                           | 89               |      | 83                |      | 70-130              | 7   |      | 30            |
| Chloroform                                                                                                   | 90               |      | 83                |      | 70-130              | 8   |      | 30            |
| Carbon tetrachloride                                                                                         | 103              |      | 94                |      | 70-130              | 9   |      | 30            |
| 1,2-Dichloropropane                                                                                          | 91               |      | 82                |      | 70-130              | 10  |      | 30            |
| Dibromochloromethane                                                                                         | 96               |      | 95                |      | 70-130              | 1   |      | 30            |
| 2-Chloroethylvinyl ether                                                                                     | 92               |      | 85                |      | 70-130              | 8   |      | 30            |
| 1,1,2-Trichloroethane                                                                                        | 90               |      | 88                |      | 70-130              | 2   |      | 30            |
| Tetrachloroethene                                                                                            | 112              |      | 108               |      | 70-130              | 4   |      | 30            |
| Chlorobenzene                                                                                                | 99               |      | 95                |      | 70-130              | 4   |      | 30            |
| Trichlorofluoromethane                                                                                       | 94               |      | 84                |      | 70-139              | 11  |      | 30            |
| 1,2-Dichloroethane                                                                                           | 82               |      | 81                |      | 70-130              | 1   |      | 30            |
| 1,1,1-Trichloroethane                                                                                        | 94               |      | 84                |      | 70-130              | 11  |      | 30            |
| Bromodichloromethane                                                                                         | 94               |      | 85                |      | 70-130              | 10  |      | 30            |
| trans-1,3-Dichloropropene                                                                                    | 86               |      | 84                |      | 70-130              | 2   |      | 30            |
| cis-1,3-Dichloropropene                                                                                      | 93               |      | 86                |      | 70-130              | 8   |      | 30            |
| 1,1-Dichloropropene                                                                                          | 88               |      | 82                |      | 70-130              | 7   |      | 30            |
| Bromoform                                                                                                    | 104              |      | 94                |      | 70-130              | 10  |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                    | 87               |      | 79                |      | 70-130              | 10  |      | 30            |
| Benzene                                                                                                      | 92               |      | 82                |      | 70-130              | 11  |      | 30            |
| Toluene                                                                                                      | 87               |      | 85                |      | 70-130              | 2   |      | 30            |
| Ethylbenzene                                                                                                 | 92               |      | 87                |      | 70-130              | 6   |      | 30            |
| Chloromethane                                                                                                | 76               |      | 70                |      | 52-130              | 8   |      | 30            |



# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG1111043-3 WG1111043-4 |                  |      |                   |      |                     |     |      |               |
| Bromomethane                                                                                                 | 98               |      | 88                |      | 57-147              | 11  |      | 30            |
| Vinyl chloride                                                                                               | 84               |      | 79                |      | 67-130              | 6   |      | 30            |
| Chloroethane                                                                                                 | 79               |      | 70                |      | 50-151              | 12  |      | 30            |
| 1,1-Dichloroethene                                                                                           | 103              |      | 94                |      | 65-135              | 9   |      | 30            |
| trans-1,2-Dichloroethene                                                                                     | 104              |      | 93                |      | 70-130              | 11  |      | 30            |
| Trichloroethene                                                                                              | 100              |      | 93                |      | 70-130              | 7   |      | 30            |
| 1,2-Dichlorobenzene                                                                                          | 108              |      | 97                |      | 70-130              | 11  |      | 30            |
| 1,3-Dichlorobenzene                                                                                          | 102              |      | 97                |      | 70-130              | 5   |      | 30            |
| 1,4-Dichlorobenzene                                                                                          | 102              |      | 97                |      | 70-130              | 5   |      | 30            |
| Methyl tert butyl ether                                                                                      | 98               |      | 89                |      | 66-130              | 10  |      | 30            |
| p/m-Xylene                                                                                                   | 96               |      | 93                |      | 70-130              | 3   |      | 30            |
| o-Xylene                                                                                                     | 90               |      | 87                |      | 70-130              | 3   |      | 30            |
| cis-1,2-Dichloroethene                                                                                       | 100              |      | 89                |      | 70-130              | 12  |      | 30            |
| Dibromomethane                                                                                               | 100              |      | 92                |      | 70-130              | 8   |      | 30            |
| Styrene                                                                                                      | 89               |      | 86                |      | 70-130              | 3   |      | 30            |
| Dichlorodifluoromethane                                                                                      | 91               |      | 85                |      | 30-146              | 7   |      | 30            |
| Acetone                                                                                                      | 79               |      | 73                |      | 54-140              | 8   |      | 30            |
| Carbon disulfide                                                                                             | 94               |      | 84                |      | 59-130              | 11  |      | 30            |
| 2-Butanone                                                                                                   | 73               |      | 72                |      | 70-130              | 1   |      | 30            |
| Vinyl acetate                                                                                                | 80               |      | 68                | Q    | 70-130              | 16  |      | 30            |
| 4-Methyl-2-pentanone                                                                                         | 72               |      | 72                |      | 70-130              | 0   |      | 30            |
| 1,2,3-Trichloropropane                                                                                       | 84               |      | 78                |      | 68-130              | 7   |      | 30            |
| 2-Hexanone                                                                                                   | 64               | Q    | 66                | Q    | 70-130              | 3   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG1111043-3 WG1111043-4 |                  |      |                   |      |                     |     |      |               |
| Bromochloromethane                                                                                           | 112              |      | 102               |      | 70-130              | 9   |      | 30            |
| 2,2-Dichloropropane                                                                                          | 92               |      | 81                |      | 70-130              | 13  |      | 30            |
| 1,2-Dibromoethane                                                                                            | 99               |      | 98                |      | 70-130              | 1   |      | 30            |
| 1,3-Dichloropropane                                                                                          | 87               |      | 86                |      | 69-130              | 1   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                                    | 100              |      | 98                |      | 70-130              | 2   |      | 30            |
| Bromobenzene                                                                                                 | 106              |      | 95                |      | 70-130              | 11  |      | 30            |
| n-Butylbenzene                                                                                               | 92               |      | 84                |      | 70-130              | 9   |      | 30            |
| sec-Butylbenzene                                                                                             | 90               |      | 86                |      | 70-130              | 5   |      | 30            |
| tert-Butylbenzene                                                                                            | 92               |      | 86                |      | 70-130              | 7   |      | 30            |
| o-Chlorotoluene                                                                                              | 87               |      | 78                |      | 70-130              | 11  |      | 30            |
| p-Chlorotoluene                                                                                              | 89               |      | 78                |      | 70-130              | 13  |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                                  | 94               |      | 89                |      | 68-130              | 5   |      | 30            |
| Hexachlorobutadiene                                                                                          | 117              |      | 103               |      | 67-130              | 13  |      | 30            |
| Isopropylbenzene                                                                                             | 91               |      | 80                |      | 70-130              | 13  |      | 30            |
| p-Isopropyltoluene                                                                                           | 93               |      | 88                |      | 70-130              | 6   |      | 30            |
| Naphthalene                                                                                                  | 98               |      | 90                |      | 70-130              | 9   |      | 30            |
| Acrylonitrile                                                                                                | 91               |      | 80                |      | 70-130              | 13  |      | 30            |
| Isopropyl Ether                                                                                              | 78               |      | 72                |      | 66-130              | 8   |      | 30            |
| tert-Butyl Alcohol                                                                                           | 77               |      | 73                |      | 70-130              | 5   |      | 30            |
| n-Propylbenzene                                                                                              | 90               |      | 79                |      | 70-130              | 13  |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                       | 118              |      | 105               |      | 70-130              | 12  |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                       | 114              |      | 102               |      | 70-130              | 11  |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                       | 92               |      | 83                |      | 70-130              | 10  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG1111043-3 WG1111043-4 |                  |      |                   |      |                     |     |      |               |
| 1,2,4-Trimethylbenzene                                                                                       | 89               |      | 85                |      | 70-130              | 5   |      | 30            |
| Methyl Acetate                                                                                               | 80               |      | 75                |      | 51-146              | 6   |      | 30            |
| Ethyl Acetate                                                                                                | 70               |      | 65                | Q    | 70-130              | 7   |      | 30            |
| Acrolein                                                                                                     | 106              |      | 94                |      | 70-130              | 12  |      | 30            |
| Cyclohexane                                                                                                  | 77               |      | 69                |      | 59-142              | 11  |      | 30            |
| 1,4-Dioxane                                                                                                  | 93               |      | 86                |      | 65-136              | 8   |      | 30            |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                                        | 104              |      | 94                |      | 50-139              | 10  |      | 30            |
| 1,4-Diethylbenzene                                                                                           | 95               |      | 87                |      | 70-130              | 9   |      | 30            |
| 4-Ethyltoluene                                                                                               | 89               |      | 80                |      | 70-130              | 11  |      | 30            |
| 1,2,4,5-Tetramethylbenzene                                                                                   | 94               |      | 85                |      | 70-130              | 10  |      | 30            |
| Tetrahydrofuran                                                                                              | 71               |      | 65                | Q    | 66-130              | 9   |      | 30            |
| Ethyl ether                                                                                                  | 102              |      | 94                |      | 67-130              | 8   |      | 30            |
| trans-1,4-Dichloro-2-butene                                                                                  | 82               |      | 74                |      | 70-130              | 10  |      | 30            |
| Methyl cyclohexane                                                                                           | 92               |      | 84                |      | 70-130              | 9   |      | 30            |
| Ethyl-Tert-Butyl-Ether                                                                                       | 85               |      | 74                |      | 70-130              | 14  |      | 30            |
| Tertiary-Amyl Methyl Ether                                                                                   | 80               |      | 77                |      | 70-130              | 4   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 87               |      | 87                |      | 70-130                 |
| Toluene-d8            | 98               |      | 98                |      | 70-130                 |
| 4-Bromofluorobenzene  | 88               |      | 79                |      | 70-130                 |
| Dibromofluoromethane  | 100              |      | 91                |      | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG1111798-3 WG1111798-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                       | 98               |      | 98                |      | 70-130              | 0   |      | 30            |
| 1,1-Dichloroethane                                                                                       | 109              |      | 112               |      | 70-130              | 3   |      | 30            |
| Chloroform                                                                                               | 97               |      | 101               |      | 70-130              | 4   |      | 30            |
| Carbon tetrachloride                                                                                     | 111              |      | 114               |      | 70-130              | 3   |      | 30            |
| 1,2-Dichloropropane                                                                                      | 100              |      | 104               |      | 70-130              | 4   |      | 30            |
| Dibromochloromethane                                                                                     | 103              |      | 106               |      | 70-130              | 3   |      | 30            |
| 1,1,2-Trichloroethane                                                                                    | 95               |      | 99                |      | 70-130              | 4   |      | 30            |
| Tetrachloroethene                                                                                        | 118              |      | 120               |      | 70-130              | 2   |      | 30            |
| Chlorobenzene                                                                                            | 103              |      | 107               |      | 70-130              | 4   |      | 30            |
| Trichlorofluoromethane                                                                                   | 81               |      | 82                |      | 70-139              | 1   |      | 30            |
| 1,2-Dichloroethane                                                                                       | 90               |      | 93                |      | 70-130              | 3   |      | 30            |
| 1,1,1-Trichloroethane                                                                                    | 104              |      | 108               |      | 70-130              | 4   |      | 30            |
| Bromodichloromethane                                                                                     | 88               |      | 93                |      | 70-130              | 6   |      | 30            |
| trans-1,3-Dichloropropene                                                                                | 98               |      | 104               |      | 70-130              | 6   |      | 30            |
| cis-1,3-Dichloropropene                                                                                  | 90               |      | 93                |      | 70-130              | 3   |      | 30            |
| 1,1-Dichloropropene                                                                                      | 101              |      | 104               |      | 70-130              | 3   |      | 30            |
| Bromoform                                                                                                | 100              |      | 102               |      | 70-130              | 2   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                | 93               |      | 98                |      | 70-130              | 5   |      | 30            |
| Benzene                                                                                                  | 95               |      | 98                |      | 70-130              | 3   |      | 30            |
| Toluene                                                                                                  | 105              |      | 108               |      | 70-130              | 3   |      | 30            |
| Ethylbenzene                                                                                             | 100              |      | 102               |      | 70-130              | 2   |      | 30            |
| Chloromethane                                                                                            | 148              | Q    | 152               | Q    | 52-130              | 3   |      | 30            |
| Bromomethane                                                                                             | 89               |      | 91                |      | 57-147              | 2   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG1111798-3 WG1111798-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                           | 120              |      | 125               |      | 67-130              | 4   |      | 30            |
| Chloroethane                                                                                             | 86               |      | 90                |      | 50-151              | 5   |      | 30            |
| 1,1-Dichloroethene                                                                                       | 120              |      | 124               |      | 65-135              | 3   |      | 30            |
| trans-1,2-Dichloroethene                                                                                 | 104              |      | 108               |      | 70-130              | 4   |      | 30            |
| Trichloroethene                                                                                          | 97               |      | 101               |      | 70-130              | 4   |      | 30            |
| 1,2-Dichlorobenzene                                                                                      | 106              |      | 107               |      | 70-130              | 1   |      | 30            |
| 1,3-Dichlorobenzene                                                                                      | 108              |      | 111               |      | 70-130              | 3   |      | 30            |
| 1,4-Dichlorobenzene                                                                                      | 108              |      | 109               |      | 70-130              | 1   |      | 30            |
| Methyl tert butyl ether                                                                                  | 92               |      | 98                |      | 66-130              | 6   |      | 30            |
| p/m-Xylene                                                                                               | 100              |      | 103               |      | 70-130              | 3   |      | 30            |
| o-Xylene                                                                                                 | 96               |      | 98                |      | 70-130              | 2   |      | 30            |
| cis-1,2-Dichloroethene                                                                                   | 98               |      | 102               |      | 70-130              | 4   |      | 30            |
| Dibromomethane                                                                                           | 83               |      | 85                |      | 70-130              | 2   |      | 30            |
| Styrene                                                                                                  | 90               |      | 94                |      | 70-130              | 4   |      | 30            |
| Dichlorodifluoromethane                                                                                  | 141              |      | 145               |      | 30-146              | 3   |      | 30            |
| Acetone                                                                                                  | 105              |      | 110               |      | 54-140              | 5   |      | 30            |
| Carbon disulfide                                                                                         | 108              |      | 114               |      | 59-130              | 5   |      | 30            |
| 2-Butanone                                                                                               | 94               |      | 109               |      | 70-130              | 15  |      | 30            |
| Vinyl acetate                                                                                            | 109              |      | 115               |      | 70-130              | 5   |      | 30            |
| 4-Methyl-2-pentanone                                                                                     | 91               |      | 99                |      | 70-130              | 8   |      | 30            |
| 1,2,3-Trichloropropane                                                                                   | 88               |      | 92                |      | 68-130              | 4   |      | 30            |
| 2-Hexanone                                                                                               | 97               |      | 108               |      | 70-130              | 11  |      | 30            |
| Bromochloromethane                                                                                       | 98               |      | 99                |      | 70-130              | 1   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG1111798-3 WG1111798-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                      | 105              |      | 107               |      | 70-130              | 2   |      | 30            |
| 1,2-Dibromoethane                                                                                        | 94               |      | 99                |      | 70-130              | 5   |      | 30            |
| 1,3-Dichloropropane                                                                                      | 96               |      | 100               |      | 69-130              | 4   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                                | 109              |      | 113               |      | 70-130              | 4   |      | 30            |
| Bromobenzene                                                                                             | 108              |      | 110               |      | 70-130              | 2   |      | 30            |
| n-Butylbenzene                                                                                           | 106              |      | 106               |      | 70-130              | 0   |      | 30            |
| sec-Butylbenzene                                                                                         | 108              |      | 109               |      | 70-130              | 1   |      | 30            |
| tert-Butylbenzene                                                                                        | 108              |      | 109               |      | 70-130              | 1   |      | 30            |
| o-Chlorotoluene                                                                                          | 106              |      | 108               |      | 70-130              | 2   |      | 30            |
| p-Chlorotoluene                                                                                          | 104              |      | 106               |      | 70-130              | 2   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                              | 92               |      | 95                |      | 68-130              | 3   |      | 30            |
| Hexachlorobutadiene                                                                                      | 116              |      | 116               |      | 67-130              | 0   |      | 30            |
| Isopropylbenzene                                                                                         | 105              |      | 107               |      | 70-130              | 2   |      | 30            |
| p-Isopropyltoluene                                                                                       | 107              |      | 108               |      | 70-130              | 1   |      | 30            |
| Naphthalene                                                                                              | 91               |      | 95                |      | 70-130              | 4   |      | 30            |
| Acrylonitrile                                                                                            | 111              |      | 118               |      | 70-130              | 6   |      | 30            |
| n-Propylbenzene                                                                                          | 105              |      | 107               |      | 70-130              | 2   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                   | 104              |      | 105               |      | 70-130              | 1   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                   | 108              |      | 110               |      | 70-130              | 2   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                   | 105              |      | 106               |      | 70-130              | 1   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                   | 104              |      | 104               |      | 70-130              | 0   |      | 30            |
| 1,4-Dioxane                                                                                              | 73               |      | 78                |      | 65-136              | 7   |      | 30            |
| p-Diethylbenzene                                                                                         | 101              |      | 101               |      | 70-130              | 0   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| <b>Parameter</b>                                                                                         | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|----------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG1111798-3 WG1111798-4 |                          |             |                           |             |                             |            |             |                       |
| p-Ethyltoluene                                                                                           | 102                      |             | 104                       |             | 70-130                      | 2          |             | 30                    |
| 1,2,4,5-Tetramethylbenzene                                                                               | 96                       |             | 96                        |             | 70-130                      | 0          |             | 30                    |
| Ethyl ether                                                                                              | 96                       |             | 96                        |             | 67-130                      | 0          |             | 30                    |
| trans-1,4-Dichloro-2-butene                                                                              | 122                      |             | 120                       |             | 70-130                      | 2          |             | 30                    |

| <b>Surrogate</b>      | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|-----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,2-Dichloroethane-d4 | 90                       |             | 92                        |             | 70-130                         |
| Toluene-d8            | 105                      |             | 105                       |             | 70-130                         |
| 4-Bromofluorobenzene  | 98                       |             | 97                        |             | 70-130                         |
| Dibromofluoromethane  | 97                       |             | 99                        |             | 70-130                         |

# SEMIVOLATILES



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-01  
 Client ID: EB-02\_1-3  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 12:05  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/30/18 12:07  
 Analyst: SZ  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:20

| 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                                     | 40     | J         | 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                                      | ND     |           | 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                       | ND     |           | ug/kg | 190 | 67. | 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:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-01**Date Collected:** 04/25/18 12:05**Client ID:** EB-02\_1-3**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | 25     | J         | ug/kg | 120 | 22. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 150 | 47. | 1               |
| Benzo(b)fluoranthene                             | 34     | J         | ug/kg | 120 | 32. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 120 | 31. | 1               |
| Chrysene                                         | 23     | J         | ug/kg | 120 | 20. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 30. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 120 | 38. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 150 | 23. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 190 | 19. | 1               |
| Phenanthrene                                     | 26     | J         | ug/kg | 120 | 23. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 120 | 22. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 150 | 27. | 1               |
| Pyrene                                           | 35     | J         | 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                                     | ND     |           | ug/kg | 190 | 18. | 1               |
| 2-Methylnaphthalene                              | ND     |           | 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 | 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 | 64. | 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:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-01**Date Collected:** 04/25/18 12:05**Client ID:** EB-02\_1-3**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                                        | ND     |           | ug/kg | 190 | 19. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 81         |           | 25-120              |
| Phenol-d6            | 86         |           | 10-120              |
| Nitrobenzene-d5      | 89         |           | 23-120              |
| 2-Fluorobiphenyl     | 81         |           | 30-120              |
| 2,4,6-Tribromophenol | 94         |           | 10-136              |
| 4-Terphenyl-d14      | 60         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-02  
 Client ID: EB-02\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/30/18 12:32  
 Analyst: SZ  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:20

| 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 | 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                                     | ND     |           | 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                                      | 12000  | E         | 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:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-02**Date Collected:** 04/25/18 13:10**Client ID:** EB-02\_14-16**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 43. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 120 | 23. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 160 | 50. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 120 | 35. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 120 | 33. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 120 | 22. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 160 | 32. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 120 | 40. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 160 | 24. | 1               |
| Fluorene                                         | 20     | J         | ug/kg | 210 | 20. | 1               |
| Phenanthrene                                     | 28     | J         | ug/kg | 120 | 25. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 120 | 24. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 160 | 29. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 120 | 20. | 1               |
| Biphenyl                                         | 160    | J         | 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                                     | ND     |           | ug/kg | 210 | 20. | 1               |
| 2-Methylnaphthalene                              | 11000  | E         | 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                    | ND     |           | ug/kg | 300 | 32. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-02**Date Collected:** 04/25/18 13:10**Client ID:** EB-02\_14-16**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                                        | ND     |           | ug/kg | 210 | 20. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 77         |           | 25-120              |
| Phenol-d6            | 86         |           | 10-120              |
| Nitrobenzene-d5      | 101        |           | 23-120              |
| 2-Fluorobiphenyl     | 85         |           | 30-120              |
| 2,4,6-Tribromophenol | 105        |           | 10-136              |
| 4-Terphenyl-d14      | 82         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

**SAMPLE RESULTS**

**Lab ID:** L1814580-02      **D**  
**Client ID:** EB-02\_14-16  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/25/18 13:10  
**Date Received:** 04/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/18 16:42  
**Analyst:** PS  
**Percent Solids:** 80%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/27/18 08:20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Semivolatile Organics by GC/MS - Westborough Lab**

|                     |       |  |       |      |     |   |
|---------------------|-------|--|-------|------|-----|---|
| Naphthalene         | 15000 |  | ug/kg | 1000 | 130 | 5 |
| 2-Methylnaphthalene | 13000 |  | ug/kg | 1200 | 120 | 5 |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-03  
 Client ID: EB-02\_26-28  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:25  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/30/18 12:58  
 Analyst: SZ  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:20

| 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 | 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                                     | ND     |           | 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                                      | ND     |           | 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:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-03**Date Collected:** 04/25/18 13:25**Client ID:** EB-02\_26-28**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | ND     |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 150 | 45. | 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 | 28. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 36. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 150 | 22. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 18. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 21. | 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 | 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                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | 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 | 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 | 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 | 29. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 29. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-03**Date Collected:** 04/25/18 13:25**Client ID:** EB-02\_26-28**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                                        | ND     |           | ug/kg | 180 | 18. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 75         |           | 25-120              |
| Phenol-d6            | 80         |           | 10-120              |
| Nitrobenzene-d5      | 79         |           | 23-120              |
| 2-Fluorobiphenyl     | 79         |           | 30-120              |
| 2,4,6-Tribromophenol | 99         |           | 10-136              |
| 4-Terphenyl-d14      | 73         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-04  
 Client ID: EB-05\_0-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 07:00  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/30/18 13:25  
 Analyst: SZ  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:20

| 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 | 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                                     | ND     |           | 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 | 19. | 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                                      | ND     |           | ug/kg | 180 | 23. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 170 | 27. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 150 | 21. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 29. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 64. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 47. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 35. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 63. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-04**Date Collected:** 04/25/18 07:00**Client ID:** EB-05\_0-2**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | 18     | J         | ug/kg | 180 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 39. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 150 | 45. | 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 | 180 | 18. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 21. | 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 | 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 | 77. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 2-Methylnaphthalene                              | ND     |           | 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 | 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 | 70. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 76. | 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 | 270 | 29. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-04**Date Collected:** 04/25/18 07:00**Client ID:** EB-05\_0-2**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 36. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 600 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 57. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 18. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 28         |           | 25-120              |
| Phenol-d6            | 67         |           | 10-120              |
| Nitrobenzene-d5      | 77         |           | 23-120              |
| 2-Fluorobiphenyl     | 79         |           | 30-120              |
| 2,4,6-Tribromophenol | 34         |           | 10-136              |
| 4-Terphenyl-d14      | 69         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-05  
 Client ID: EB-05\_11-12  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 07:55  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/30/18 13:51  
 Analyst: SZ  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:20

| 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 | 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 | 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 | 38. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 190 | 32. | 1               |
| Fluoranthene                                     | ND     |           | 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 | 200 | 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 | 24. | 1               |
| Naphthalene                                      | ND     |           | 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 | 64. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-05**Date Collected:** 04/25/18 07:55**Client ID:** EB-05\_11-12**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | ND     |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 150 | 46. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 110 | 32. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 30. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 110 | 20. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 29. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 37. | 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 | 19. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 430 | 44. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 190 | 34. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 190 | 36. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 190 | 36. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 190 | 78. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 190 | 18. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 230 | 23. | 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 | 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 | 30. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 190 | 62. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 410 | 71. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 77. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 910 | 88. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 490 | 91. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 42. | 1               |
| Phenol                                           | ND     |           | ug/kg | 190 | 29. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 190 | 29. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 270 | 30. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-05**Date Collected:** 04/25/18 07:55**Client ID:** EB-05\_11-12**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 610 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 190 | 58. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 190 | 18. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 85         |           | 25-120              |
| Phenol-d6            | 89         |           | 10-120              |
| Nitrobenzene-d5      | 94         |           | 23-120              |
| 2-Fluorobiphenyl     | 82         |           | 30-120              |
| 2,4,6-Tribromophenol | 101        |           | 10-136              |
| 4-Terphenyl-d14      | 78         |           | 18-120              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-06  
 Client ID: EB-05\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 08:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/30/18 14:17  
 Analyst: SZ  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:20

| 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 | 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                                     | ND     |           | 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                                      | 47     | J         | ug/kg | 200 | 24. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 180 | 29. | 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 | 69. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 200 | 50. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 200 | 38. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 200 | 68. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-06**Date Collected:** 04/25/18 08:10**Client ID:** EB-05\_13-15**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | ND     |           | ug/kg | 200 | 42. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 120 | 22. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 160 | 49. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 120 | 34. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 120 | 32. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 120 | 21. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 160 | 31. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 120 | 39. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 160 | 23. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 200 | 19. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 120 | 24. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 120 | 23. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 160 | 28. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 120 | 20. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 450 | 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 | 82. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 200 | 19. | 1               |
| 2-Methylnaphthalene                              | 35     | J         | 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 | 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 | 81. | 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                    | ND     |           | ug/kg | 290 | 31. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-06**Date Collected:** 04/25/18 08:10**Client ID:** EB-05\_13-15**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 640 | 200 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 200 | 61. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 200 | 19. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 66         |           | 25-120              |
| Phenol-d6            | 68         |           | 10-120              |
| Nitrobenzene-d5      | 68         |           | 23-120              |
| 2-Fluorobiphenyl     | 65         |           | 30-120              |
| 2,4,6-Tribromophenol | 76         |           | 10-136              |
| 4-Terphenyl-d14      | 60         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-07  
 Client ID: EB-05\_22-24  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 07:20  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/30/18 14:42  
 Analyst: SZ  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:20

| 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 | 37. | 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                                     | ND     |           | 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 | 32. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 200 | 71. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 200 | 51. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 200 | 39. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 200 | 69. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-07**Date Collected:** 04/25/18 07:20**Client ID:** EB-05\_22-24**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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                               | ND     |           | ug/kg | 120 | 23. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 160 | 50. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 120 | 34. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 120 | 33. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 120 | 21. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 160 | 32. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 120 | 40. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 160 | 24. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 200 | 20. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 120 | 25. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 120 | 24. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 160 | 28. | 1               |
| Pyrene                                           | ND     |           | 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 | 25. | 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 | 39. | 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 | 77. | 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:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

**SAMPLE RESULTS**

**Lab ID:** L1814580-07  
**Client ID:** EB-05\_22-24  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/25/18 07:20  
**Date Received:** 04/25/18  
**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 | 210 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 200 | 62. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 200 | 20. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 80         |           | 25-120              |
| Phenol-d6            | 83         |           | 10-120              |
| Nitrobenzene-d5      | 83         |           | 23-120              |
| 2-Fluorobiphenyl     | 84         |           | 30-120              |
| 2,4,6-Tribromophenol | 92         |           | 10-136              |
| 4-Terphenyl-d14      | 87         |           | 18-120              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-08  
 Client ID: EB-10\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:40  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/30/18 15:08  
 Analyst: SZ  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:20

| 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 | 210 | 24. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 130 | 24. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 190 | 29. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 210 | 38. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 210 | 36. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 210 | 37. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 210 | 56. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 210 | 42. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 210 | 36. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 130 | 24. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 210 | 23. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 210 | 32. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 250 | 36. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 230 | 21. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 210 | 31. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 600 | 190 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 170 | 34. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 190 | 27. | 1               |
| Naphthalene                                      | 3300   |           | ug/kg | 210 | 26. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 190 | 31. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 170 | 24. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 210 | 33. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 210 | 73. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 210 | 53. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 210 | 40. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 210 | 72. | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-08**Date Collected:** 04/25/18 13:40**Client ID:** EB-10\_14-16**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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  | 20. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 210  | 44. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 130  | 24. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 170  | 52. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 130  | 36. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 130  | 34. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 130  | 22. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 170  | 33. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 130  | 41. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 170  | 25. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 210  | 20. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 130  | 26. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 130  | 24. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 170  | 30. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 130  | 21. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 480  | 49. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 210  | 38. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 210  | 41. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 210  | 40. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 210  | 88. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 210  | 20. | 1               |
| 2-Methylnaphthalene                              | 2900   |           | ug/kg | 250  | 26. | 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 | 130  | 40. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 210  | 32. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 210  | 25. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 190  | 34. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 210  | 70. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 460  | 80. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 300  | 86. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 1000 | 99. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 550  | 100 | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 170  | 46. | 1               |
| Phenol                                           | ND     |           | ug/kg | 210  | 32. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 210  | 33. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 300  | 33. | 1               |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

**SAMPLE RESULTS**

**Lab ID:** L1814580-08  
**Client ID:** EB-10\_14-16  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/25/18 13:40  
**Date Received:** 04/25/18  
**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 | 690 | 210 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 210 | 65. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 210 | 20. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 74         |           | 25-120              |
| Phenol-d6            | 78         |           | 10-120              |
| Nitrobenzene-d5      | 89         |           | 23-120              |
| 2-Fluorobiphenyl     | 74         |           | 30-120              |
| 2,4,6-Tribromophenol | 91         |           | 10-136              |
| 4-Terphenyl-d14      | 71         |           | 18-120              |

Project Name: 551 GREENWICH STREET

Lab Number: L1814580

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/29/18 15:53  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:20

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1110364-1 |        |           |       |     |     |
| 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 | 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: 551 GREENWICH STREET

Lab Number: L1814580

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/29/18 15:53  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:20

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1110364-1 |        |           |       |     |     |
| Dimethyl phthalate                                                                       | ND     |           | ug/kg | 160 | 35. |
| 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 | 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 | 24. |
| 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:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 04/29/18 15:53  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:20

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1110364-1 |        |           |       |     |     |
| 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                                                                             | ND     |           | ug/kg | 530 | 170 |
| Benzyl Alcohol                                                                           | ND     |           | ug/kg | 160 | 50. |
| Carbazole                                                                                | ND     |           | ug/kg | 160 | 16. |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 76        |           | 25-120                 |
| Phenol-d6            | 85        |           | 10-120                 |
| Nitrobenzene-d5      | 82        |           | 23-120                 |
| 2-Fluorobiphenyl     | 86        |           | 30-120                 |
| 2,4,6-Tribromophenol | 107       |           | 10-136                 |
| 4-Terphenyl-d14      | 100       |           | 18-120                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1110364-2 WG1110364-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                | 83               |      | 88                |      | 31-137              | 6   |      | 50            |
| 1,2,4-Trichlorobenzene                                                                                      | 84               |      | 87                |      | 38-107              | 4   |      | 50            |
| Hexachlorobenzene                                                                                           | 86               |      | 92                |      | 40-140              | 7   |      | 50            |
| Bis(2-chloroethyl)ether                                                                                     | 80               |      | 82                |      | 40-140              | 2   |      | 50            |
| 2-Chloronaphthalene                                                                                         | 84               |      | 89                |      | 40-140              | 6   |      | 50            |
| 1,2-Dichlorobenzene                                                                                         | 79               |      | 81                |      | 40-140              | 3   |      | 50            |
| 1,3-Dichlorobenzene                                                                                         | 76               |      | 79                |      | 40-140              | 4   |      | 50            |
| 1,4-Dichlorobenzene                                                                                         | 77               |      | 80                |      | 28-104              | 4   |      | 50            |
| 3,3'-Dichlorobenzidine                                                                                      | 76               |      | 82                |      | 40-140              | 8   |      | 50            |
| 2,4-Dinitrotoluene                                                                                          | 108              |      | 114               |      | 40-132              | 5   |      | 50            |
| 2,6-Dinitrotoluene                                                                                          | 106              |      | 109               |      | 40-140              | 3   |      | 50            |
| Fluoranthene                                                                                                | 95               |      | 100               |      | 40-140              | 5   |      | 50            |
| 4-Chlorophenyl phenyl ether                                                                                 | 85               |      | 91                |      | 40-140              | 7   |      | 50            |
| 4-Bromophenyl phenyl ether                                                                                  | 93               |      | 98                |      | 40-140              | 5   |      | 50            |
| Bis(2-chloroisopropyl)ether                                                                                 | 80               |      | 84                |      | 40-140              | 5   |      | 50            |
| Bis(2-chloroethoxy)methane                                                                                  | 85               |      | 88                |      | 40-117              | 3   |      | 50            |
| Hexachlorobutadiene                                                                                         | 82               |      | 87                |      | 40-140              | 6   |      | 50            |
| Hexachlorocyclopentadiene                                                                                   | 81               |      | 87                |      | 40-140              | 7   |      | 50            |
| Hexachloroethane                                                                                            | 79               |      | 82                |      | 40-140              | 4   |      | 50            |
| Isophorone                                                                                                  | 89               |      | 92                |      | 40-140              | 3   |      | 50            |
| Naphthalene                                                                                                 | 80               |      | 85                |      | 40-140              | 6   |      | 50            |
| Nitrobenzene                                                                                                | 88               |      | 91                |      | 40-140              | 3   |      | 50            |
| NDPA/DPA                                                                                                    | 89               |      | 94                |      | 36-157              | 5   |      | 50            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1110364-2 WG1110364-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine                                                                                   | 87               |      | 92                |      | 32-121              | 6   |      | 50            |
| Bis(2-ethylhexyl)phthalate                                                                                  | 102              |      | 109               |      | 40-140              | 7   |      | 50            |
| Butyl benzyl phthalate                                                                                      | 105              |      | 112               |      | 40-140              | 6   |      | 50            |
| Di-n-butylphthalate                                                                                         | 107              |      | 115               |      | 40-140              | 7   |      | 50            |
| Di-n-octylphthalate                                                                                         | 105              |      | 113               |      | 40-140              | 7   |      | 50            |
| Diethyl phthalate                                                                                           | 90               |      | 95                |      | 40-140              | 5   |      | 50            |
| Dimethyl phthalate                                                                                          | 92               |      | 96                |      | 40-140              | 4   |      | 50            |
| Benzo(a)anthracene                                                                                          | 90               |      | 95                |      | 40-140              | 5   |      | 50            |
| Benzo(a)pyrene                                                                                              | 94               |      | 102               |      | 40-140              | 8   |      | 50            |
| Benzo(b)fluoranthene                                                                                        | 90               |      | 98                |      | 40-140              | 9   |      | 50            |
| Benzo(k)fluoranthene                                                                                        | 88               |      | 95                |      | 40-140              | 8   |      | 50            |
| Chrysene                                                                                                    | 85               |      | 90                |      | 40-140              | 6   |      | 50            |
| Acenaphthylene                                                                                              | 93               |      | 97                |      | 40-140              | 4   |      | 50            |
| Anthracene                                                                                                  | 90               |      | 96                |      | 40-140              | 6   |      | 50            |
| Benzo(ghi)perylene                                                                                          | 89               |      | 95                |      | 40-140              | 7   |      | 50            |
| Fluorene                                                                                                    | 87               |      | 92                |      | 40-140              | 6   |      | 50            |
| Phenanthrene                                                                                                | 85               |      | 91                |      | 40-140              | 7   |      | 50            |
| Dibenzo(a,h)anthracene                                                                                      | 89               |      | 96                |      | 40-140              | 8   |      | 50            |
| Indeno(1,2,3-cd)pyrene                                                                                      | 94               |      | 104               |      | 40-140              | 10  |      | 50            |
| Pyrene                                                                                                      | 91               |      | 96                |      | 35-142              | 5   |      | 50            |
| Biphenyl                                                                                                    | 89               |      | 94                |      | 54-104              | 5   |      | 50            |
| 4-Chloroaniline                                                                                             | 72               |      | 74                |      | 40-140              | 3   |      | 50            |
| 2-Nitroaniline                                                                                              | 107              |      | 111               |      | 47-134              | 4   |      | 50            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1110364-2 WG1110364-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline                                                                                              | 79               |      | 82                |      | 26-129              | 4   |      | 50            |
| 4-Nitroaniline                                                                                              | 95               |      | 98                |      | 41-125              | 3   |      | 50            |
| Dibenzofuran                                                                                                | 84               |      | 89                |      | 40-140              | 6   |      | 50            |
| 2-Methylnaphthalene                                                                                         | 85               |      | 90                |      | 40-140              | 6   |      | 50            |
| 1,2,4,5-Tetrachlorobenzene                                                                                  | 89               |      | 93                |      | 40-117              | 4   |      | 50            |
| Acetophenone                                                                                                | 90               |      | 94                |      | 14-144              | 4   |      | 50            |
| 2,4,6-Trichlorophenol                                                                                       | 106              |      | 110               |      | 30-130              | 4   |      | 50            |
| p-Chloro-m-cresol                                                                                           | 100              |      | 105               | Q    | 26-103              | 5   |      | 50            |
| 2-Chlorophenol                                                                                              | 90               |      | 93                |      | 25-102              | 3   |      | 50            |
| 2,4-Dichlorophenol                                                                                          | 98               |      | 101               |      | 30-130              | 3   |      | 50            |
| 2,4-Dimethylphenol                                                                                          | 95               |      | 98                |      | 30-130              | 3   |      | 50            |
| 2-Nitrophenol                                                                                               | 109              |      | 113               |      | 30-130              | 4   |      | 50            |
| 4-Nitrophenol                                                                                               | 98               |      | 103               |      | 11-114              | 5   |      | 50            |
| 2,4-Dinitrophenol                                                                                           | 109              |      | 117               |      | 4-130               | 7   |      | 50            |
| 4,6-Dinitro-o-cresol                                                                                        | 111              |      | 115               |      | 10-130              | 4   |      | 50            |
| Pentachlorophenol                                                                                           | 90               |      | 94                |      | 17-109              | 4   |      | 50            |
| Phenol                                                                                                      | 80               |      | 83                |      | 26-90               | 4   |      | 50            |
| 2-Methylphenol                                                                                              | 91               |      | 94                |      | 30-130.             | 3   |      | 50            |
| 3-Methylphenol/4-Methylphenol                                                                               | 92               |      | 96                |      | 30-130              | 4   |      | 50            |
| 2,4,5-Trichlorophenol                                                                                       | 104              |      | 109               |      | 30-130              | 5   |      | 50            |
| Benzoic Acid                                                                                                | 75               |      | 82                |      | 10-110              | 9   |      | 50            |
| Benzyl Alcohol                                                                                              | 95               |      | 98                |      | 40-140              | 3   |      | 50            |
| Carbazole                                                                                                   | 92               |      | 96                |      | 54-128              | 4   |      | 50            |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1110364-2 WG1110364-3

| <b>Surrogate</b>     | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 2-Fluorophenol       | 93                       |             | 95                        |             | 25-120                         |
| Phenol-d6            | 95                       |             | 97                        |             | 10-120                         |
| Nitrobenzene-d5      | 96                       |             | 99                        |             | 23-120                         |
| 2-Fluorobiphenyl     | 93                       |             | 97                        |             | 30-120                         |
| 2,4,6-Tribromophenol | 108                      |             | 113                       |             | 10-136                         |
| 4-Terphenyl-d14      | 98                       |             | 102                       |             | 18-120                         |



# PCBS

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

**SAMPLE RESULTS**

**Lab ID:** L1814580-01  
**Client ID:** EB-02\_1-3  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/25/18 12:05  
**Date Received:** 04/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/01/18 19:05  
**Analyst:** HT  
**Percent Solids:** 85%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/27/18 05:54  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 04/27/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 04/27/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 37.2 | 4.22 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 37.2 | 5.66 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 37.2 | 3.66 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 37.2 | 4.55 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 37.2 | 4.17 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 37.2 | 3.04 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 37.2 | 3.88 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 37.2 | 3.06 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 37.2 | 2.63 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 37.2 | 2.63 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 92         |           | 30-150              | A      |
| Decachlorobiphenyl           | 75         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 99         |           | 30-150              | B      |
| Decachlorobiphenyl           | 91         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-02  
 Client ID: EB-02\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 05/01/18 19:17  
 Analyst: HT  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 05:54  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/27/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/27/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 39.4 | 4.46 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 39.4 | 5.99 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 39.4 | 3.87 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 39.4 | 4.82 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 39.4 | 4.42 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 39.4 | 3.21 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 39.4 | 4.11 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 39.4 | 3.24 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 39.4 | 2.79 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 39.4 | 2.79 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 89         |           | 30-150              | A      |
| Decachlorobiphenyl           | 101        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 90         |           | 30-150              | B      |
| Decachlorobiphenyl           | 100        |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

**SAMPLE RESULTS**

**Lab ID:** L1814580-03  
**Client ID:** EB-02\_26-28  
**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY

**Date Collected:** 04/25/18 13:25  
**Date Received:** 04/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/01/18 19:30  
**Analyst:** HT  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/27/18 05:54  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 04/27/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 04/27/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 36.0 | 4.09 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 36.0 | 5.48 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 36.0 | 3.55 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 36.0 | 4.41 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 36.0 | 4.04 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 36.0 | 2.94 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 36.0 | 3.76 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 36.0 | 2.96 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 36.0 | 2.55 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 36.0 | 2.55 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 92         |           | 30-150              | A      |
| Decachlorobiphenyl           | 81         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 95         |           | 30-150              | B      |
| Decachlorobiphenyl           | 86         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-04**Date Collected:** 04/25/18 07:00**Client ID:** EB-05\_0-2**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/27/18 05:54**Analytical Date:** 05/01/18 19:43**Cleanup Method:** EPA 3665A**Analyst:** HT**Cleanup Date:** 04/27/18**Percent Solids:** 87%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/27/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 37.4 | 4.25 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 37.4 | 5.70 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 37.4 | 3.68 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 37.4 | 4.58 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 37.4 | 4.20 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 37.4 | 3.06 | 1               | A      |
| Aroclor 1260                                      | 4.64   | J         | ug/kg | 37.4 | 3.91 | 1               | B      |
| Aroclor 1262                                      | ND     |           | ug/kg | 37.4 | 3.08 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 37.4 | 2.65 | 1               | A      |
| PCBs, Total                                       | 4.64   | J         | ug/kg | 37.4 | 2.65 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 98         |           | 30-150              | A      |
| Decachlorobiphenyl           | 83         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 106        |           | 30-150              | B      |
| Decachlorobiphenyl           | 99         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-05  
 Client ID: EB-05\_11-12  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 07:55  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 05/01/18 19:56  
 Analyst: HT  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 05:54  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/27/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/27/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 37.1 | 4.20 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 37.1 | 5.64 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 37.1 | 3.65 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 37.1 | 4.54 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 37.1 | 4.16 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 37.1 | 3.02 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 37.1 | 3.87 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 37.1 | 3.05 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 37.1 | 2.62 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 37.1 | 2.62 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 95         |           | 30-150              | A      |
| Decachlorobiphenyl           | 61         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 106        |           | 30-150              | B      |
| Decachlorobiphenyl           | 76         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-06  
 Client ID: EB-05\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 08:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 05/01/18 20:09  
 Analyst: HT  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 05:54  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/27/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/27/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 38.4 | 4.35 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 38.4 | 5.84 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 38.4 | 3.78 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 38.4 | 4.70 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 38.4 | 4.31 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 38.4 | 3.13 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 38.4 | 4.01 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 38.4 | 3.16 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 38.4 | 2.72 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 38.4 | 2.72 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 93         |           | 30-150              | A      |
| Decachlorobiphenyl           | 70         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 100        |           | 30-150              | B      |
| Decachlorobiphenyl           | 83         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-07**Date Collected:** 04/25/18 07:20**Client ID:** EB-05\_22-24**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 04/27/18 05:54**Analytical Date:** 05/01/18 20:22**Cleanup Method:** EPA 3665A**Analyst:** HT**Cleanup Date:** 04/27/18**Percent Solids:** 81%**Cleanup Method:** EPA 3660B**Cleanup Date:** 04/27/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 39.4 | 4.47 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 39.4 | 6.00 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 39.4 | 3.88 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 39.4 | 4.83 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 39.4 | 4.43 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 39.4 | 3.22 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 39.4 | 4.12 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 39.4 | 3.24 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 39.4 | 2.79 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 39.4 | 2.79 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 94         |           | 30-150              | A      |
| Decachlorobiphenyl           | 76         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 110        |           | 30-150              | B      |
| Decachlorobiphenyl           | 93         |           | 30-150              | B      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-08  
 Client ID: EB-10\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:40  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 05/01/18 20:35  
 Analyst: HT  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 05:54  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/27/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/27/18

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 41.6 | 4.71 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 41.6 | 6.33 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 41.6 | 4.09 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 41.6 | 5.09 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 41.6 | 4.66 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 41.6 | 3.39 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 41.6 | 4.34 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 41.6 | 3.42 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 41.6 | 2.94 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 41.6 | 2.94 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 104        |           | 30-150              | A      |
| Decachlorobiphenyl           | 90         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 109        |           | 30-150              | B      |
| Decachlorobiphenyl           | 102        |           | 30-150              | B      |

Project Name: 551 GREENWICH STREET

Lab Number: L1814580

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A  
 Analytical Date: 05/01/18 18:26  
 Analyst: HT

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 05:54  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/27/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/27/18

| Parameter                                                                                 | Result | Qualifier | Units | RL   | MDL  | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1110315-1 |        |           |       |      |      |        |
| Aroclor 1016                                                                              | ND     |           | ug/kg | 32.2 | 3.65 | A      |
| Aroclor 1221                                                                              | ND     |           | ug/kg | 32.2 | 4.90 | A      |
| Aroclor 1232                                                                              | ND     |           | ug/kg | 32.2 | 3.17 | A      |
| Aroclor 1242                                                                              | ND     |           | ug/kg | 32.2 | 3.94 | A      |
| Aroclor 1248                                                                              | ND     |           | ug/kg | 32.2 | 3.61 | A      |
| Aroclor 1254                                                                              | ND     |           | ug/kg | 32.2 | 2.62 | A      |
| Aroclor 1260                                                                              | ND     |           | ug/kg | 32.2 | 3.36 | A      |
| Aroclor 1262                                                                              | ND     |           | ug/kg | 32.2 | 2.64 | A      |
| Aroclor 1268                                                                              | ND     |           | ug/kg | 32.2 | 2.28 | A      |
| PCBs, Total                                                                               | ND     |           | ug/kg | 32.2 | 2.28 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 90        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 80        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 97        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 90        |           | 30-150                 | B      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18

| <b>Parameter</b>                                                                                             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> | <b>Column</b> |
|--------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|---------------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1110315-2 WG1110315-3 |                          |             |                           |             |                             |            |             |                       |               |
| Aroclor 1016                                                                                                 | 82                       |             | 79                        |             | 40-140                      | 4          |             | 50                    | A             |
| Aroclor 1260                                                                                                 | 81                       |             | 80                        |             | 40-140                      | 1          |             | 50                    | A             |

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 97                       |             | 94                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 82                       |             | 82                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 102                      |             | 100                       |             | 30-150                         | B             |
| Decachlorobiphenyl           | 92                       |             | 93                        |             | 30-150                         | B             |

# PESTICIDES

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-01  
 Client ID: EB-02\_1-3  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 12:05  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/28/18 15:18  
 Analyst: JW  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:05  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/28/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.86  | 0.364 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.775 | 0.346 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.775 | 0.220 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.86  | 0.705 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.930 | 0.417 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.86  | 0.655 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.49  | 1.05  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.775 | 0.318 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.32  | 0.814 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.86  | 0.479 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.16  | 0.581 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.86  | 0.430 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.86  | 0.664 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.49  | 1.50  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.86  | 0.439 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.86  | 0.622 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.775 | 0.369 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.49  | 1.08  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 34.9  | 9.77  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.32  | 0.648 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.32  | 0.614 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.1  | 6.16  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-01**Date Collected:** 04/25/18 12:05**Client ID:** EB-02\_1-3**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 65         |           | 30-150              | B      |
| Decachlorobiphenyl           | 55         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | A      |
| Decachlorobiphenyl           | 55         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-02  
 Client ID: EB-02\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/28/18 15:31  
 Analyst: JW  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:05  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/28/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.90  | 0.371 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.790 | 0.353 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.790 | 0.224 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.90  | 0.719 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.948 | 0.425 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.90  | 0.668 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.56  | 1.07  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.790 | 0.324 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.37  | 0.830 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.90  | 0.488 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.18  | 0.592 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.90  | 0.438 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.90  | 0.676 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.56  | 1.52  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.90  | 0.448 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.90  | 0.634 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.790 | 0.376 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.56  | 1.11  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 35.6  | 9.96  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.37  | 0.660 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.37  | 0.626 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.4  | 6.28  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-02**Date Collected:** 04/25/18 13:10**Client ID:** EB-02\_14-16**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 68         |           | 30-150              | B      |
| Decachlorobiphenyl           | 67         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | A      |
| Decachlorobiphenyl           | 65         |           | 30-150              | A      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-03  
 Client ID: EB-02\_26-28  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:25  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/28/18 15:44  
 Analyst: JW  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:05  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/28/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.70  | 0.334 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.710 | 0.318 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.710 | 0.202 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.70  | 0.646 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.852 | 0.382 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.70  | 0.600 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.20  | 0.959 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.710 | 0.291 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.13  | 0.746 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.70  | 0.439 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.06  | 0.533 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.70  | 0.394 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.70  | 0.608 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.20  | 1.37  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.70  | 0.403 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.70  | 0.570 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.710 | 0.338 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.20  | 0.994 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 32.0  | 8.95  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.13  | 0.594 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.13  | 0.562 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.8  | 5.65  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-03**Date Collected:** 04/25/18 13:25**Client ID:** EB-02\_26-28**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 76         |           | 30-150              | B      |
| Decachlorobiphenyl           | 70         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 30-150              | A      |
| Decachlorobiphenyl           | 69         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-04  
 Client ID: EB-05\_0-2  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 07:00  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/28/18 15:56  
 Analyst: JW  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:05  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/28/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.75  | 0.342 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.728 | 0.325 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.728 | 0.207 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.75  | 0.662 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.873 | 0.391 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.75  | 0.615 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.27  | 0.982 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.728 | 0.298 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.18  | 0.764 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.75  | 0.450 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.09  | 0.546 | 1               | A      |
| 4,4'-DDE                                          | 1.71   | J         | ug/kg | 1.75  | 0.404 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.75  | 0.623 | 1               | B      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.27  | 1.40  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.75  | 0.412 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.75  | 0.584 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.728 | 0.346 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.27  | 1.02  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 32.7  | 9.17  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.18  | 0.608 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.18  | 0.576 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.2  | 5.78  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-04**Date Collected:** 04/25/18 07:00**Client ID:** EB-05\_0-2**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 80         |           | 30-150              | B      |
| Decachlorobiphenyl           | 65         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | A      |
| Decachlorobiphenyl           | 61         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-05  
 Client ID: EB-05\_11-12  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 07:55  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 05/01/18 19:13  
 Analyst: JW  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:05  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/28/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.80  | 0.352 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.748 | 0.334 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.748 | 0.212 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.80  | 0.681 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.898 | 0.402 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.80  | 0.632 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.37  | 1.01  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.748 | 0.307 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.24  | 0.786 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.80  | 0.462 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.12  | 0.561 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.80  | 0.415 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.80  | 0.640 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.37  | 1.44  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.80  | 0.424 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.80  | 0.600 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.748 | 0.356 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.37  | 1.05  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 33.7  | 9.43  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.24  | 0.626 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.24  | 0.592 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.6  | 5.95  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-05**Date Collected:** 04/25/18 07:55**Client ID:** EB-05\_11-12**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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              | B      |
| Decachlorobiphenyl           | 82         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 87         |           | 30-150              | A      |
| Decachlorobiphenyl           | 85         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-06  
 Client ID: EB-05\_13-15  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 08:10  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/28/18 16:22  
 Analyst: JW  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:05  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/28/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.84  | 0.360 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.767 | 0.343 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.767 | 0.218 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.84  | 0.698 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.920 | 0.412 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.84  | 0.648 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.45  | 1.04  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.767 | 0.314 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.30  | 0.805 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.84  | 0.474 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.15  | 0.575 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.84  | 0.426 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.84  | 0.656 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.45  | 1.48  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.84  | 0.435 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.84  | 0.615 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.767 | 0.365 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.45  | 1.07  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 34.5  | 9.66  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.30  | 0.641 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.30  | 0.607 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.0  | 6.10  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-06**Date Collected:** 04/25/18 08:10**Client ID:** EB-05\_13-15**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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              | B      |
| Decachlorobiphenyl           | 64         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 82         |           | 30-150              | A      |
| Decachlorobiphenyl           | 80         |           | 30-150              | A      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-07  
 Client ID: EB-05\_22-24  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 07:20  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 05/01/18 19:26  
 Analyst: JW  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:05  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/28/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.87  | 0.367 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.781 | 0.349 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.781 | 0.222 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.87  | 0.711 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.937 | 0.420 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.87  | 0.660 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.51  | 1.05  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.781 | 0.320 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.34  | 0.820 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.87  | 0.483 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.17  | 0.586 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.87  | 0.433 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.87  | 0.668 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.51  | 1.51  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.87  | 0.443 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.87  | 0.626 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.781 | 0.372 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.51  | 1.09  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 35.1  | 9.84  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.34  | 0.653 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.34  | 0.618 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.2  | 6.21  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-07**Date Collected:** 04/25/18 07:20**Client ID:** EB-05\_22-24**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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 | 91         |           | 30-150              | B      |
| Decachlorobiphenyl           | 93         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 98         |           | 30-150              | A      |
| Decachlorobiphenyl           | 87         |           | 30-150              | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-08  
 Client ID: EB-10\_14-16  
 Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Date Collected: 04/25/18 13:40  
 Date Received: 04/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/28/18 16:47  
 Analyst: JW  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:05  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/28/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.97  | 0.386 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.822 | 0.368 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.822 | 0.234 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.97  | 0.748 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.987 | 0.442 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.97  | 0.695 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.70  | 1.11  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.822 | 0.337 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.47  | 0.863 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.97  | 0.508 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.23  | 0.617 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.97  | 0.456 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.97  | 0.704 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.70  | 1.59  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.97  | 0.466 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.97  | 0.660 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.822 | 0.391 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.70  | 1.15  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 37.0  | 10.4  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.47  | 0.688 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.47  | 0.651 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 16.0  | 6.54  | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-08**Date Collected:** 04/25/18 13:40**Client ID:** EB-10\_14-16**Date Received:** 04/25/18**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**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           | 90         |           | 30-150              | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 30-150              | A      |
| Decachlorobiphenyl           | 86         |           | 30-150              | A      |

Project Name: 551 GREENWICH STREET

Lab Number: L1814580

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 04/28/18 14:15  
 Analyst: KEG

Extraction Method: EPA 3546  
 Extraction Date: 04/27/18 08:05  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 04/28/18

| Parameter                                                                                 | Result | Qualifier | Units | RL    | MDL   | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1110353-1 |        |           |       |       |       |        |
| Delta-BHC                                                                                 | ND     |           | ug/kg | 1.57  | 0.307 | 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  | 0.595 | A      |
| Heptachlor                                                                                | ND     |           | ug/kg | 0.784 | 0.352 | A      |
| Aldrin                                                                                    | ND     |           | ug/kg | 1.57  | 0.552 | A      |
| Heptachlor epoxide                                                                        | ND     |           | ug/kg | 2.94  | 0.882 | A      |
| Endrin                                                                                    | ND     |           | ug/kg | 0.654 | 0.268 | A      |
| Endrin aldehyde                                                                           | ND     |           | ug/kg | 1.96  | 0.686 | A      |
| Endrin ketone                                                                             | ND     |           | ug/kg | 1.57  | 0.404 | A      |
| Dieldrin                                                                                  | ND     |           | ug/kg | 0.980 | 0.490 | A      |
| 4,4'-DDE                                                                                  | ND     |           | ug/kg | 1.57  | 0.363 | A      |
| 4,4'-DDD                                                                                  | ND     |           | ug/kg | 1.57  | 0.559 | A      |
| 4,4'-DDT                                                                                  | ND     |           | ug/kg | 2.94  | 1.26  | A      |
| Endosulfan I                                                                              | ND     |           | ug/kg | 1.57  | 0.370 | A      |
| Endosulfan II                                                                             | ND     |           | ug/kg | 1.57  | 0.524 | A      |
| Endosulfan sulfate                                                                        | ND     |           | ug/kg | 0.654 | 0.311 | A      |
| Methoxychlor                                                                              | ND     |           | ug/kg | 2.94  | 0.915 | A      |
| Toxaphene                                                                                 | ND     |           | ug/kg | 29.4  | 8.24  | A      |
| cis-Chlordane                                                                             | ND     |           | ug/kg | 1.96  | 0.546 | A      |
| trans-Chlordane                                                                           | ND     |           | ug/kg | 1.96  | 0.518 | A      |
| Chlordane                                                                                 | ND     |           | ug/kg | 12.7  | 5.20  | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**Method Blank Analysis**  
**Batch Quality Control**Analytical Method: 1,8081B  
Analytical Date: 04/28/18 14:15  
Analyst: KEGExtraction Method: EPA 3546  
Extraction Date: 04/27/18 08:05  
Cleanup Method: EPA 3620B  
Cleanup Date: 04/28/18

| Parameter                                                                                 | Result | Qualifier | Units | RL | MDL | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1110353-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance |        |
|------------------------------|-----------|-----------|------------|--------|
|                              |           |           | Criteria   | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 81        |           | 30-150     | B      |
| Decachlorobiphenyl           | 76        |           | 30-150     | B      |
| 2,4,5,6-Tetrachloro-m-xylene | 75        |           | 30-150     | A      |
| Decachlorobiphenyl           | 71        |           | 30-150     | A      |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1110353-2 WG1110353-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                    | 89               |      | 89                |      | 30-150              | 0   |      | 30            | A      |
| Lindane                                                                                                      | 87               |      | 88                |      | 30-150              | 1   |      | 30            | A      |
| Alpha-BHC                                                                                                    | 86               |      | 85                |      | 30-150              | 1   |      | 30            | A      |
| Beta-BHC                                                                                                     | 87               |      | 81                |      | 30-150              | 7   |      | 30            | A      |
| Heptachlor                                                                                                   | 93               |      | 91                |      | 30-150              | 2   |      | 30            | A      |
| Aldrin                                                                                                       | 84               |      | 83                |      | 30-150              | 1   |      | 30            | A      |
| Heptachlor epoxide                                                                                           | 84               |      | 86                |      | 30-150              | 2   |      | 30            | A      |
| Endrin                                                                                                       | 96               |      | 97                |      | 30-150              | 1   |      | 30            | A      |
| Endrin aldehyde                                                                                              | 57               |      | 56                |      | 30-150              | 2   |      | 30            | A      |
| Endrin ketone                                                                                                | 70               |      | 71                |      | 30-150              | 1   |      | 30            | A      |
| Dieldrin                                                                                                     | 92               |      | 91                |      | 30-150              | 1   |      | 30            | A      |
| 4,4'-DDE                                                                                                     | 79               |      | 80                |      | 30-150              | 1   |      | 30            | A      |
| 4,4'-DDD                                                                                                     | 87               |      | 84                |      | 30-150              | 4   |      | 30            | A      |
| 4,4'-DDT                                                                                                     | 100              |      | 98                |      | 30-150              | 2   |      | 30            | A      |
| Endosulfan I                                                                                                 | 79               |      | 77                |      | 30-150              | 3   |      | 30            | A      |
| Endosulfan II                                                                                                | 77               |      | 76                |      | 30-150              | 1   |      | 30            | A      |
| Endosulfan sulfate                                                                                           | 36               |      | 38                |      | 30-150              | 5   |      | 30            | A      |
| Methoxychlor                                                                                                 | 105              |      | 107               |      | 30-150              | 2   |      | 30            | A      |
| cis-Chlordane                                                                                                | 70               |      | 70                |      | 30-150              | 0   |      | 30            | A      |
| trans-Chlordane                                                                                              | 64               |      | 62                |      | 30-150              | 3   |      | 30            | A      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1110353-2 WG1110353-3

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 77                       |             | 77                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 73                       |             | 75                        |             | 30-150                         | B             |
| 2,4,5,6-Tetrachloro-m-xylene | 68                       |             | 67                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 66                       |             | 66                        |             | 30-150                         | A             |



## METALS

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-01

Date Collected: 04/25/18 12:05

Client ID: EB-02\_1-3

Date Received: 04/25/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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              | 4720   |           | mg/kg | 9.10  | 2.46  | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Antimony, Total              | ND     |           | mg/kg | 4.55  | 0.346 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Arsenic, Total               | 4.59   |           | mg/kg | 0.910 | 0.189 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Barium, Total                | 162    |           | mg/kg | 0.910 | 0.158 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Beryllium, Total             | 0.200  | J         | mg/kg | 0.455 | 0.030 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Cadmium, Total               | 0.318  | J         | mg/kg | 0.910 | 0.089 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Calcium, Total               | 29800  |           | mg/kg | 9.10  | 3.18  | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Chromium, Total              | 10.8   |           | mg/kg | 0.910 | 0.087 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Cobalt, Total                | 3.78   |           | mg/kg | 1.82  | 0.151 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Copper, Total                | 30.2   |           | mg/kg | 0.910 | 0.235 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Iron, Total                  | 9860   |           | mg/kg | 4.55  | 0.821 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Lead, Total                  | 485    |           | mg/kg | 4.55  | 0.244 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Magnesium, Total             | 1560   |           | mg/kg | 9.10  | 1.40  | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Manganese, Total             | 184    |           | mg/kg | 0.910 | 0.145 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Mercury, Total               | 1.21   |           | mg/kg | 0.075 | 0.016 | 1               | 04/27/18 08:00 | 05/01/18 18:31 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 11.4   |           | mg/kg | 2.27  | 0.220 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Potassium, Total             | 996    |           | mg/kg | 227   | 13.1  | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Selenium, Total              | 1.32   | J         | mg/kg | 1.82  | 0.235 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Silver, Total                | ND     |           | mg/kg | 0.910 | 0.257 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Sodium, Total                | 556    |           | mg/kg | 182   | 2.86  | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Thallium, Total              | ND     |           | mg/kg | 1.82  | 0.286 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Vanadium, Total              | 14.4   |           | mg/kg | 0.910 | 0.185 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |
| Zinc, Total                  | 224    |           | mg/kg | 4.55  | 0.266 | 2               | 04/26/18 19:40 | 04/27/18 03:11 | EPA 3050B   | 1,6010C           | MC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-02

Date Collected: 04/25/18 13:10

Client ID: EB-02\_14-16

Date Received: 04/25/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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              | 8860   |           | mg/kg | 9.62  | 2.60  | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Antimony, Total              | ND     |           | mg/kg | 4.81  | 0.366 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Arsenic, Total               | 2.81   |           | mg/kg | 0.962 | 0.200 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Barium, Total                | 18.0   |           | mg/kg | 0.962 | 0.167 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Beryllium, Total             | 0.433  | J         | mg/kg | 0.481 | 0.032 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Cadmium, Total               | ND     |           | mg/kg | 0.962 | 0.094 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Calcium, Total               | 769    |           | mg/kg | 9.62  | 3.37  | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Chromium, Total              | 11.4   |           | mg/kg | 0.962 | 0.092 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Cobalt, Total                | 3.44   |           | mg/kg | 1.92  | 0.160 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Copper, Total                | 8.43   |           | mg/kg | 0.962 | 0.248 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Iron, Total                  | 10500  |           | mg/kg | 4.81  | 0.869 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Lead, Total                  | 14.4   |           | mg/kg | 4.81  | 0.258 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Magnesium, Total             | 2120   |           | mg/kg | 9.62  | 1.48  | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Manganese, Total             | 119    |           | mg/kg | 0.962 | 0.153 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Mercury, Total               | 0.028  | J         | mg/kg | 0.080 | 0.017 | 1               | 04/27/18 08:00 | 05/01/18 18:41 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 11.2   |           | mg/kg | 2.40  | 0.233 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Potassium, Total             | 520    |           | mg/kg | 240   | 13.8  | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Selenium, Total              | 0.654  | J         | mg/kg | 1.92  | 0.248 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Silver, Total                | ND     |           | mg/kg | 0.962 | 0.272 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Sodium, Total                | 74.3   | J         | mg/kg | 192   | 3.03  | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Thallium, Total              | ND     |           | mg/kg | 1.92  | 0.303 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Vanadium, Total              | 14.2   |           | mg/kg | 0.962 | 0.195 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |
| Zinc, Total                  | 28.8   |           | mg/kg | 4.81  | 0.282 | 2               | 04/26/18 19:40 | 04/27/18 03:15 | EPA 3050B   | 1,6010C           | MC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-03

Date Collected: 04/25/18 13:25

Client ID: EB-02\_26-28

Date Received: 04/25/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2850   |           | mg/kg | 8.62  | 2.33  | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Antimony, Total              | ND     |           | mg/kg | 4.31  | 0.328 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Arsenic, Total               | 0.664  | J         | mg/kg | 0.862 | 0.179 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Barium, Total                | 21.3   |           | mg/kg | 0.862 | 0.150 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Beryllium, Total             | 0.164  | J         | mg/kg | 0.431 | 0.028 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Cadmium, Total               | 0.172  | J         | mg/kg | 0.862 | 0.085 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Calcium, Total               | 425    |           | mg/kg | 8.62  | 3.02  | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Chromium, Total              | 11.1   |           | mg/kg | 0.862 | 0.083 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Cobalt, Total                | 3.88   |           | mg/kg | 1.72  | 0.143 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Copper, Total                | 11.1   |           | mg/kg | 0.862 | 0.222 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Iron, Total                  | 9520   |           | mg/kg | 4.31  | 0.778 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Lead, Total                  | 2.63   | J         | mg/kg | 4.31  | 0.231 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Magnesium, Total             | 1270   |           | mg/kg | 8.62  | 1.33  | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Manganese, Total             | 148    |           | mg/kg | 0.862 | 0.137 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Mercury, Total               | ND     |           | mg/kg | 0.070 | 0.015 | 1               | 04/27/18 08:00 | 05/01/18 18:42 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 7.10   |           | mg/kg | 2.16  | 0.209 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Potassium, Total             | 434    |           | mg/kg | 216   | 12.4  | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Selenium, Total              | 0.259  | J         | mg/kg | 1.72  | 0.222 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Silver, Total                | ND     |           | mg/kg | 0.862 | 0.244 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Sodium, Total                | 95.8   | J         | mg/kg | 172   | 2.72  | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Thallium, Total              | ND     |           | mg/kg | 1.72  | 0.272 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Vanadium, Total              | 10.1   |           | mg/kg | 0.862 | 0.175 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |
| Zinc, Total                  | 11.5   |           | mg/kg | 4.31  | 0.252 | 2               | 04/26/18 19:40 | 04/27/18 03:20 | EPA 3050B   | 1,6010C           | MC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-04

Date Collected: 04/25/18 07:00

Client ID: EB-05\_0-2

Date Received: 04/25/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 7760   |           | mg/kg | 9.16  | 2.47  | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Antimony, Total              | ND     |           | mg/kg | 4.58  | 0.348 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Arsenic, Total               | 4.28   |           | mg/kg | 0.916 | 0.190 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Barium, Total                | 37.3   |           | mg/kg | 0.916 | 0.159 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Beryllium, Total             | 0.302  | J         | mg/kg | 0.458 | 0.030 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Cadmium, Total               | ND     |           | mg/kg | 0.916 | 0.090 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Calcium, Total               | 24600  |           | mg/kg | 9.16  | 3.20  | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Chromium, Total              | 6.51   |           | mg/kg | 0.916 | 0.088 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Cobalt, Total                | 1.81   | J         | mg/kg | 1.83  | 0.152 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Copper, Total                | 5.40   |           | mg/kg | 0.916 | 0.236 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Iron, Total                  | 5050   |           | mg/kg | 4.58  | 0.827 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Lead, Total                  | 10.4   |           | mg/kg | 4.58  | 0.245 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Magnesium, Total             | 2630   |           | mg/kg | 9.16  | 1.41  | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Manganese, Total             | 184    |           | mg/kg | 0.916 | 0.146 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Mercury, Total               | 0.063  | J         | mg/kg | 0.073 | 0.015 | 1               | 04/27/18 08:00 | 05/01/18 18:44 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 4.13   |           | mg/kg | 2.29  | 0.222 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Potassium, Total             | 579    |           | mg/kg | 229   | 13.2  | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Selenium, Total              | ND     |           | mg/kg | 1.83  | 0.236 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Silver, Total                | ND     |           | mg/kg | 0.916 | 0.259 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Sodium, Total                | 1200   |           | mg/kg | 183   | 2.88  | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Thallium, Total              | ND     |           | mg/kg | 1.83  | 0.288 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Vanadium, Total              | 16.0   |           | mg/kg | 0.916 | 0.186 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |
| Zinc, Total                  | 9.87   |           | mg/kg | 4.58  | 0.268 | 2               | 04/26/18 19:40 | 04/27/18 03:24 | EPA 3050B   | 1,6010C           | MC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-05

Date Collected: 04/25/18 07:55

Client ID: EB-05\_11-12

Date Received: 04/25/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 3390   |           | mg/kg | 8.90  | 2.40  | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Antimony, Total              | ND     |           | mg/kg | 4.45  | 0.338 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Arsenic, Total               | 1.04   |           | mg/kg | 0.890 | 0.185 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Barium, Total                | 31.9   |           | mg/kg | 0.890 | 0.155 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Beryllium, Total             | 0.205  | J         | mg/kg | 0.445 | 0.029 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Cadmium, Total               | ND     |           | mg/kg | 0.890 | 0.087 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Calcium, Total               | 2220   |           | mg/kg | 8.90  | 3.11  | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Chromium, Total              | 9.02   |           | mg/kg | 0.890 | 0.085 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Cobalt, Total                | 3.31   |           | mg/kg | 1.78  | 0.148 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Copper, Total                | 7.75   |           | mg/kg | 0.890 | 0.230 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Iron, Total                  | 6370   |           | mg/kg | 4.45  | 0.804 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Lead, Total                  | 16.3   |           | mg/kg | 4.45  | 0.238 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Magnesium, Total             | 1400   |           | mg/kg | 8.90  | 1.37  | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Manganese, Total             | 183    |           | mg/kg | 0.890 | 0.142 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Mercury, Total               | 0.071  | J         | mg/kg | 0.073 | 0.015 | 1               | 04/27/18 08:00 | 05/01/18 18:50 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 12.5   |           | mg/kg | 2.22  | 0.215 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Potassium, Total             | 525    |           | mg/kg | 222   | 12.8  | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Selenium, Total              | ND     |           | mg/kg | 1.78  | 0.230 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Silver, Total                | ND     |           | mg/kg | 0.890 | 0.252 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Sodium, Total                | 163    | J         | mg/kg | 178   | 2.80  | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Thallium, Total              | ND     |           | mg/kg | 1.78  | 0.280 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Vanadium, Total              | 9.84   |           | mg/kg | 0.890 | 0.181 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |
| Zinc, Total                  | 10.9   |           | mg/kg | 4.45  | 0.261 | 2               | 04/26/18 19:40 | 04/27/18 03:28 | EPA 3050B   | 1,6010C           | MC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-06

Date Collected: 04/25/18 08:10

Client ID: EB-05\_13-15

Date Received: 04/25/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

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              | 7530   |           | mg/kg | 9.21  | 2.49  | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Antimony, Total              | ND     |           | mg/kg | 4.60  | 0.350 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Arsenic, Total               | 2.24   |           | mg/kg | 0.921 | 0.192 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Barium, Total                | 12.2   |           | mg/kg | 0.921 | 0.160 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Beryllium, Total             | 0.221  | J         | mg/kg | 0.460 | 0.030 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Cadmium, Total               | ND     |           | mg/kg | 0.921 | 0.090 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Calcium, Total               | 712    |           | mg/kg | 9.21  | 3.22  | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Chromium, Total              | 9.60   |           | mg/kg | 0.921 | 0.088 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Cobalt, Total                | 4.14   |           | mg/kg | 1.84  | 0.153 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Copper, Total                | 13.2   |           | mg/kg | 0.921 | 0.238 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Iron, Total                  | 10900  |           | mg/kg | 4.60  | 0.832 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Lead, Total                  | 5.90   |           | mg/kg | 4.60  | 0.247 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Magnesium, Total             | 2620   |           | mg/kg | 9.21  | 1.42  | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Manganese, Total             | 81.8   |           | mg/kg | 0.921 | 0.146 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Mercury, Total               | 0.017  | J         | mg/kg | 0.076 | 0.016 | 1               | 04/27/18 08:00 | 05/01/18 18:52 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 11.0   |           | mg/kg | 2.30  | 0.223 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Potassium, Total             | 426    |           | mg/kg | 230   | 13.3  | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Selenium, Total              | ND     |           | mg/kg | 1.84  | 0.238 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Silver, Total                | ND     |           | mg/kg | 0.921 | 0.261 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Sodium, Total                | 101    | J         | mg/kg | 184   | 2.90  | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Thallium, Total              | ND     |           | mg/kg | 1.84  | 0.290 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Vanadium, Total              | 13.2   |           | mg/kg | 0.921 | 0.187 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |
| Zinc, Total                  | 32.5   |           | mg/kg | 4.60  | 0.270 | 2               | 04/26/18 19:40 | 04/27/18 03:32 | EPA 3050B   | 1,6010C           | MC      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-07

Date Collected: 04/25/18 07:20

Client ID: EB-05\_22-24

Date Received: 04/25/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 4600   |           | mg/kg | 9.66  | 2.61  | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Antimony, Total              | ND     |           | mg/kg | 4.83  | 0.367 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Arsenic, Total               | 1.19   |           | mg/kg | 0.966 | 0.201 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Barium, Total                | 22.6   |           | mg/kg | 0.966 | 0.168 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Beryllium, Total             | 0.232  | J         | mg/kg | 0.483 | 0.032 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Cadmium, Total               | ND     |           | mg/kg | 0.966 | 0.095 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Calcium, Total               | 404    |           | mg/kg | 9.66  | 3.38  | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Chromium, Total              | 9.72   |           | mg/kg | 0.966 | 0.093 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Cobalt, Total                | 3.28   |           | mg/kg | 1.93  | 0.160 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Copper, Total                | 7.95   |           | mg/kg | 0.966 | 0.249 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Iron, Total                  | 9110   |           | mg/kg | 4.83  | 0.872 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Lead, Total                  | 4.04   | J         | mg/kg | 4.83  | 0.259 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Magnesium, Total             | 1580   |           | mg/kg | 9.66  | 1.49  | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Manganese, Total             | 46.6   |           | mg/kg | 0.966 | 0.154 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Mercury, Total               | ND     |           | mg/kg | 0.080 | 0.017 | 1               | 04/27/18 08:00 | 05/01/18 18:53 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 6.72   |           | mg/kg | 2.42  | 0.234 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Potassium, Total             | 624    |           | mg/kg | 242   | 13.9  | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Selenium, Total              | 0.319  | J         | mg/kg | 1.93  | 0.249 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Silver, Total                | ND     |           | mg/kg | 0.966 | 0.273 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Sodium, Total                | 142    | J         | mg/kg | 193   | 3.04  | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Thallium, Total              | ND     |           | mg/kg | 1.93  | 0.304 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Vanadium, Total              | 14.6   |           | mg/kg | 0.966 | 0.196 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |
| Zinc, Total                  | 18.8   |           | mg/kg | 4.83  | 0.283 | 2               | 04/26/18 19:40 | 04/27/18 03:36 | EPA 3050B   | 1,6010C           | MC      |





**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1814580-08

Date Collected: 04/25/18 13:40

Client ID: EB-10\_14-16

Date Received: 04/25/18

Sample Location: 551 GREENWICH STREET, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 9640   |           | mg/kg | 9.88  | 2.67  | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Antimony, Total              | ND     |           | mg/kg | 4.94  | 0.376 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Arsenic, Total               | 2.65   |           | mg/kg | 0.988 | 0.206 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Barium, Total                | 14.0   |           | mg/kg | 0.988 | 0.172 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Beryllium, Total             | 0.286  | J         | mg/kg | 0.494 | 0.033 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Cadmium, Total               | ND     |           | mg/kg | 0.988 | 0.097 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Calcium, Total               | 665    |           | mg/kg | 9.88  | 3.46  | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Chromium, Total              | 11.8   |           | mg/kg | 0.988 | 0.095 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Cobalt, Total                | 6.82   |           | mg/kg | 1.98  | 0.164 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Copper, Total                | 20.3   |           | mg/kg | 0.988 | 0.255 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Iron, Total                  | 10900  |           | mg/kg | 4.94  | 0.892 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Lead, Total                  | 9.86   |           | mg/kg | 4.94  | 0.265 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Magnesium, Total             | 2850   |           | mg/kg | 9.88  | 1.52  | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Manganese, Total             | 73.1   |           | mg/kg | 0.988 | 0.157 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Mercury, Total               | 0.043  | J         | mg/kg | 0.083 | 0.018 | 1               | 04/27/18 08:00 | 05/01/18 18:55 | EPA 7471B   | 1,7471B           | EA      |
| Nickel, Total                | 14.1   |           | mg/kg | 2.47  | 0.239 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Potassium, Total             | 657    |           | mg/kg | 247   | 14.2  | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Selenium, Total              | ND     |           | mg/kg | 1.98  | 0.255 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Silver, Total                | ND     |           | mg/kg | 0.988 | 0.280 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Sodium, Total                | 104    | J         | mg/kg | 198   | 3.11  | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Thallium, Total              | ND     |           | mg/kg | 1.98  | 0.311 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Vanadium, Total              | 13.0   |           | mg/kg | 0.988 | 0.201 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |
| Zinc, Total                  | 37.5   |           | mg/kg | 4.94  | 0.290 | 2               | 04/26/18 19:40 | 04/27/18 03:40 | EPA 3050B   | 1,6010C           | MC      |



Project Name: 551 GREENWICH STREET

Lab Number: L1814580

Project Number: 190043701

Report Date: 05/02/18

## Method Blank Analysis Batch Quality Control

| Parameter                                                            | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|----------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1110193-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Aluminum, Total                                                      | ND     |           | mg/kg | 4.00  | 1.08  | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Antimony, Total                                                      | 0.152  | J         | mg/kg | 2.00  | 0.152 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Arsenic, Total                                                       | ND     |           | mg/kg | 0.400 | 0.083 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Barium, Total                                                        | ND     |           | mg/kg | 0.400 | 0.070 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Beryllium, Total                                                     | ND     |           | mg/kg | 0.200 | 0.013 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Cadmium, Total                                                       | ND     |           | mg/kg | 0.400 | 0.039 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Calcium, Total                                                       | ND     |           | mg/kg | 4.00  | 1.40  | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Chromium, Total                                                      | ND     |           | mg/kg | 0.400 | 0.038 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Cobalt, Total                                                        | ND     |           | mg/kg | 0.800 | 0.066 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Copper, Total                                                        | ND     |           | mg/kg | 0.400 | 0.103 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Iron, Total                                                          | 0.732  | J         | mg/kg | 2.00  | 0.361 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Lead, Total                                                          | ND     |           | mg/kg | 2.00  | 0.107 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Magnesium, Total                                                     | ND     |           | mg/kg | 4.00  | 0.616 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Manganese, Total                                                     | ND     |           | mg/kg | 0.400 | 0.064 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Nickel, Total                                                        | ND     |           | mg/kg | 1.00  | 0.097 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Potassium, Total                                                     | ND     |           | mg/kg | 100   | 5.76  | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Selenium, Total                                                      | ND     |           | mg/kg | 0.800 | 0.103 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Silver, Total                                                        | ND     |           | mg/kg | 0.400 | 0.113 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Sodium, Total                                                        | 4.70   | J         | mg/kg | 80.0  | 1.26  | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Thallium, Total                                                      | ND     |           | mg/kg | 0.800 | 0.126 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Vanadium, Total                                                      | ND     |           | mg/kg | 0.400 | 0.081 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |
| Zinc, Total                                                          | ND     |           | mg/kg | 2.00  | 0.117 | 1                  | 04/26/18 19:40   | 04/27/18 01:16   | 1,6010C              | MC      |

### Prep Information

Digestion Method: EPA 3050B

| Parameter                                                            | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|----------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1110278-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Mercury, Total                                                       | ND     |           | mg/kg | 0.083 | 0.018 | 1                  | 04/27/18 08:00   | 05/01/18 18:27   | 1,7471B              | EA      |



**Project Name:** 551 GREENWICH STREET

**Lab Number:** L1814580

**Project Number:** 190043701

**Report Date:** 05/02/18

## **Method Blank Analysis Batch Quality Control**

### **Prep Information**

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Digestion Method: EPA 7471B

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1110193-2 SRM Lot Number: D098-540 |                  |      |                   |      |                     |     |      |            |
| Aluminum, Total                                                                                      | 61               |      | -                 |      | 47-153              | -   |      |            |
| Antimony, Total                                                                                      | 148              |      | -                 |      | 6-194               | -   |      |            |
| Arsenic, Total                                                                                       | 96               |      | -                 |      | 83-117              | -   |      |            |
| Barium, Total                                                                                        | 89               |      | -                 |      | 82-118              | -   |      |            |
| Beryllium, Total                                                                                     | 93               |      | -                 |      | 83-117              | -   |      |            |
| Cadmium, Total                                                                                       | 94               |      | -                 |      | 82-117              | -   |      |            |
| Calcium, Total                                                                                       | 87               |      | -                 |      | 81-118              | -   |      |            |
| Chromium, Total                                                                                      | 88               |      | -                 |      | 83-119              | -   |      |            |
| Cobalt, Total                                                                                        | 94               |      | -                 |      | 84-116              | -   |      |            |
| Copper, Total                                                                                        | 91               |      | -                 |      | 84-116              | -   |      |            |
| Iron, Total                                                                                          | 74               |      | -                 |      | 60-140              | -   |      |            |
| Lead, Total                                                                                          | 86               |      | -                 |      | 82-117              | -   |      |            |
| Magnesium, Total                                                                                     | 83               |      | -                 |      | 76-124              | -   |      |            |
| Manganese, Total                                                                                     | 88               |      | -                 |      | 82-118              | -   |      |            |
| Nickel, Total                                                                                        | 91               |      | -                 |      | 82-117              | -   |      |            |
| Potassium, Total                                                                                     | 78               |      | -                 |      | 69-131              | -   |      |            |
| Selenium, Total                                                                                      | 98               |      | -                 |      | 78-121              | -   |      |            |
| Silver, Total                                                                                        | 96               |      | -                 |      | 80-120              | -   |      |            |
| Sodium, Total                                                                                        | 92               |      | -                 |      | 74-126              | -   |      |            |
| Thallium, Total                                                                                      | 91               |      | -                 |      | 80-119              | -   |      |            |
| Vanadium, Total                                                                                      | 84               |      | -                 |      | 79-121              | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| Parameter                                                                                            | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1110193-2 SRM Lot Number: D098-540 |                  |                   |                     |     |            |
| Zinc, Total                                                                                          | 91               | -                 | 81-119              | -   |            |
| Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1110278-2 SRM Lot Number: D098-540 |                  |                   |                     |     |            |
| Mercury, Total                                                                                       | 108              | -                 | 50-149              | -   |            |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1814580

Report Date: 05/02/18

| 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): 01-08 |               |          | QC Batch ID: WG1110193-3 |              |      | QC Sample: L1814521-01 |               |      | Client ID: MS Sample |     |      |            |
| Aluminum, Total                                          | 5860          | 176      | 5540                     | 0            | Q    | -                      | -             |      | 75-125               | -   |      | 20         |
| Antimony, Total                                          | ND            | 44       | 41.1                     | 93           |      | -                      | -             |      | 75-125               | -   |      | 20         |
| Arsenic, Total                                           | 10.9          | 10.6     | 20.3                     | 89           |      | -                      | -             |      | 75-125               | -   |      | 20         |
| Barium, Total                                            | 42.1          | 176      | 204                      | 92           |      | -                      | -             |      | 75-125               | -   |      | 20         |
| Beryllium, Total                                         | 0.119J        | 4.4      | 4.05                     | 92           |      | -                      | -             |      | 75-125               | -   |      | 20         |
| Cadmium, Total                                           | 16.4          | 4.49     | 19.4                     | 67           | Q    | -                      | -             |      | 75-125               | -   |      | 20         |
| Calcium, Total                                           | 2020          | 880      | 5700                     | 418          | Q    | -                      | -             |      | 75-125               | -   |      | 20         |
| Chromium, Total                                          | 124.          | 17.6     | 109                      | 0            | Q    | -                      | -             |      | 75-125               | -   |      | 20         |
| Cobalt, Total                                            | 44.6          | 44       | 71.8                     | 62           | Q    | -                      | -             |      | 75-125               | -   |      | 20         |
| Copper, Total                                            | 218.          | 22       | 90.5                     | 0            | Q    | -                      | -             |      | 75-125               | -   |      | 20         |
| Iron, Total                                              | 22000         | 88       | 13800                    | 0            | Q    | -                      | -             |      | 75-125               | -   |      | 20         |
| Lead, Total                                              | 87.0          | 44.9     | 108                      | 47           | Q    | -                      | -             |      | 75-125               | -   |      | 20         |
| Magnesium, Total                                         | 3600          | 880      | 4490                     | 101          |      | -                      | -             |      | 75-125               | -   |      | 20         |
| Manganese, Total                                         | 269.          | 44       | 197                      | 0            | Q    | -                      | -             |      | 75-125               | -   |      | 20         |
| Nickel, Total                                            | 100.          | 44       | 124                      | 54           | Q    | -                      | -             |      | 75-125               | -   |      | 20         |
| Potassium, Total                                         | 426.          | 880      | 1240                     | 92           |      | -                      | -             |      | 75-125               | -   |      | 20         |
| Selenium, Total                                          | 1.09J         | 10.6     | 10.3                     | 98           |      | -                      | -             |      | 75-125               | -   |      | 20         |
| Silver, Total                                            | 1.22          | 26.4     | 30.1                     | 109          |      | -                      | -             |      | 75-125               | -   |      | 20         |
| Sodium, Total                                            | 94.3J         | 880      | 947                      | 108          |      | -                      | -             |      | 75-125               | -   |      | 20         |
| Thallium, Total                                          | ND            | 10.6     | 8.63                     | 82           |      | -                      | -             |      | 75-125               | -   |      | 20         |
| Vanadium, Total                                          | 28.7          | 44       | 60.0                     | 71           | Q    | -                      | -             |      | 75-125               | -   |      | 20         |

# **Matrix Spike Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1814580

**Report Date:** 05/02/18

| 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): 01-08 |               |          | QC Batch ID: WG1110193-3 |              | QC Sample: L1814521-01 |               | Client ID: MS Sample |     |            |
| Zinc, Total                                              | 175.          | 44       | 180                      | 11           | Q                      | -             | 75-125               | -   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 01-08 |               |          | QC Batch ID: WG1110278-3 |              | QC Sample: L1814580-01 |               | Client ID: EB-02_1-3 |     |            |
| Mercury, Total                                           | 1.21          | 0.147    | 1.28                     | 48           | Q                      | -             | 80-120               | -   | 20         |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Lab Number:** L1814580  
**Report Date:** 05/02/18

| Parameter                                                                                                                      | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1110193-4 QC Sample: L1814521-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Aluminum, Total                                                                                                                | 5860          | 4840             | mg/kg | 19  |      | 20         |
| Antimony, Total                                                                                                                | ND            | ND               | mg/kg | NC  |      | 20         |
| Arsenic, Total                                                                                                                 | 10.9          | 3.96             | mg/kg | 93  | Q    | 20         |
| Barium, Total                                                                                                                  | 42.1          | 40.7             | mg/kg | 3   |      | 20         |
| Beryllium, Total                                                                                                               | 0.119J        | 0.141J           | mg/kg | NC  |      | 20         |
| Cadmium, Total                                                                                                                 | 16.4          | 4.07             | mg/kg | 120 | Q    | 20         |
| Calcium, Total                                                                                                                 | 2020          | 1940             | mg/kg | 4   |      | 20         |
| Chromium, Total                                                                                                                | 124.          | 22.7             | mg/kg | 138 | Q    | 20         |
| Cobalt, Total                                                                                                                  | 44.6          | 9.17             | mg/kg | 132 | Q    | 20         |
| Copper, Total                                                                                                                  | 218.          | 29.3             | mg/kg | 153 | Q    | 20         |
| Iron, Total                                                                                                                    | 22000         | 9320             | mg/kg | 81  | Q    | 20         |
| Lead, Total                                                                                                                    | 87.0          | 30.3             | mg/kg | 97  | Q    | 20         |
| Magnesium, Total                                                                                                               | 3600          | 1920             | mg/kg | 61  | Q    | 20         |
| Manganese, Total                                                                                                               | 269.          | 118              | mg/kg | 78  | Q    | 20         |
| Nickel, Total                                                                                                                  | 100.          | 20.4             | mg/kg | 132 | Q    | 20         |
| Potassium, Total                                                                                                               | 426.          | 322              | mg/kg | 28  | Q    | 20         |
| Selenium, Total                                                                                                                | 1.09J         | ND               | mg/kg | NC  |      | 20         |
| Silver, Total                                                                                                                  | 1.22          | ND               | mg/kg | NC  |      | 20         |
| Sodium, Total                                                                                                                  | 94.3J         | 36.7J            | mg/kg | NC  |      | 20         |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

## Lab Duplicate Analysis

Batch Quality Control

**Lab Number:** L1814580  
**Report Date:** 05/02/18

| Parameter                                                                                                                      | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1110193-4 QC Sample: L1814521-01 Client ID: DUP Sample |               |                  |       |     |            |
| Thallium, Total                                                                                                                | ND            | ND               | mg/kg | NC  | 20         |
| Vanadium, Total                                                                                                                | 28.7          | 13.6             | mg/kg | 71  | Q 20       |
| Zinc, Total                                                                                                                    | 175.          | 81.7             | mg/kg | 73  | Q 20       |
| Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1110278-4 QC Sample: L1814580-01 Client ID: EB-02_1-3  |               |                  |       |     |            |
| Mercury, Total                                                                                                                 | 1.21          | 0.774            | mg/kg | 44  | Q 20       |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-01**Client ID:** EB-02\_1-3**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/25/18 12:05**Date Received:** 04/25/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 85.1   |           | %     | 0.100 | NA  | 1                  | -                | 04/26/18 15:04   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-02**Client ID:** EB-02\_14-16**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/25/18 13:10**Date Received:** 04/25/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 79.7   |           | %     | 0.100 | NA  | 1                  | -                | 04/26/18 15:04   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-03**Client ID:** EB-02\_26-28**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/25/18 13:25**Date Received:** 04/25/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 89.1   |           | %     | 0.100 | NA  | 1                  | -                | 04/26/18 15:04   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-04**Client ID:** EB-05\_0-2**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/25/18 07:00**Date Received:** 04/25/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 87.1   |           | %     | 0.100 | NA  | 1                  | -                | 04/26/18 15:04   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-05**Client ID:** EB-05\_11-12**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/25/18 07:55**Date Received:** 04/25/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 86.9   |           | %     | 0.100 | NA  | 1                  | -                | 04/26/18 15:04   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-06**Client ID:** EB-05\_13-15**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/25/18 08:10**Date Received:** 04/25/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 83.0   |           | %     | 0.100 | NA  | 1                  | -                | 04/26/18 15:04   | 121,2540G            | RI      |





**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-07**Client ID:** EB-05\_22-24**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/25/18 07:20**Date Received:** 04/25/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 81.3   |           | %     | 0.100 | NA  | 1                  | -                | 04/26/18 15:04   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1814580**Report Date:** 05/02/18**SAMPLE RESULTS****Lab ID:** L1814580-08**Client ID:** EB-10\_14-16**Sample Location:** 551 GREENWICH STREET, MANHATTAN, NY**Date Collected:** 04/25/18 13:40**Date Received:** 04/25/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 77.6   |           | %     | 0.100 | NA  | 1                  | -                | 04/26/18 15:04   | 121,2540G            | RI      |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Lab Number:** L1814580  
**Report Date:** 05/02/18

| Parameter                                                                                                                            | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1110122-1 QC Sample: L1814580-01 Client ID: EB-02_1-3 |               |                  |       |     |      |            |
| Solids, Total                                                                                                                        | 85.1          | 85.6             | %     | 1   |      | 20         |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Serial\_No:** 05021817:57  
**Lab Number:** L1814580  
**Report Date:** 05/02/18

### 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(*)                                                                                                                                                                                                                                              |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814580-01A | 5 gram Encore Sampler                  | A      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-01B | 5 gram Encore Sampler                  | A      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-01C | 5 gram Encore Sampler                  | A      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-01D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.6        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |
| L1814580-01E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 2.6        | 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) |
| L1814580-01F | Glass 250ml/8oz unpreserved            | A      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814580-01X | Vial MeOH preserved split              | A      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-01Y | Vial Water preserved split             | A      | NA         |          | 2.6        | Y    | Absent | 26-APR-18 12:20  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-01Z | Vial Water preserved split             | A      | NA         |          | 2.6        | Y    | Absent | 26-APR-18 12:20  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-02A | 5 gram Encore Sampler                  | A      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-02B | 5 gram Encore Sampler                  | A      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-02C | 5 gram Encore Sampler                  | A      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-02D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.6        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |
| L1814580-02E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 2.6        | 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) |
| L1814580-02F | Glass 250ml/8oz unpreserved            | A      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814580-02X | Vial MeOH preserved split              | A      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-02Y | Vial Water preserved split             | A      | NA         |          | 2.6        | Y    | Absent | 26-APR-18 12:20  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                       |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814580-02Z        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-03A        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-03B        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-03C        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-03D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814580-03E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 2.6               | 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) |
| L1814580-03F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814580-03X        | Vial MeOH preserved split              | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-03Y        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-03Z        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-04A        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-04B        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-04C        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-04D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814580-04E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 2.6               | 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) |
| L1814580-04F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814580-04X        | Vial MeOH preserved split              | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-04Y        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-04Z        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-05A        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-05B        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-05C        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-05D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                       |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814580-05E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 2.6               | 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) |
| L1814580-05F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814580-05X        | Vial MeOH preserved split              | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-05Y        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-05Z        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-06A        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260H(14),NYTCL-8260HLW(14)                                                                                                                                                                                                                        |
| L1814580-06B        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260H(14),NYTCL-8260HLW(14)                                                                                                                                                                                                                        |
| L1814580-06C        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260H(14),NYTCL-8260HLW(14)                                                                                                                                                                                                                        |
| L1814580-06D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814580-06E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 2.6               | 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) |
| L1814580-06F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814580-06X        | Vial MeOH preserved split              | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260H(14),NYTCL-8260HLW(14)                                                                                                                                                                                                                        |
| L1814580-06Y        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260H(14),NYTCL-8260HLW(14)                                                                                                                                                                                                                        |
| L1814580-06Z        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260H(14),NYTCL-8260HLW(14)                                                                                                                                                                                                                        |
| L1814580-07A        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-07B        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-07C        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-07D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814580-07E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 2.6               | 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) |
| L1814580-07F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1814580**Project Number:** 190043701**Report Date:** 05/02/18**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                       |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1814580-07X        | Vial MeOH preserved split              | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-07Y        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-07Z        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-08A        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-08B        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-08C        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-08D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.6               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                    |
| L1814580-08E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 2.6               | 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) |
| L1814580-08F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L1814580-08X        | Vial MeOH preserved split              | A             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-08Y        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L1814580-08Z        | Vial Water preserved split             | A             | NA                |                 | 2.6               | Y           | Absent      | 26-APR-18 12:20         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

## 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).                        |
| 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.                                                                                                                                                                                                                                                                                                                                                                                               |
| 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.

### 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

**Report Format:** DU Report with 'J' Qualifiers





**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

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#### Data Qualifiers

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:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1814580  
**Report Date:** 05/02/18

## 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, NO<sub>2</sub>, NO<sub>3</sub>.

### 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.





## ANALYTICAL REPORT

|                 |                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------|
| Lab Number:     | L1815063                                                                                                        |
| Client:         | Langan Engineering & Environmental<br>21 Penn Plaza<br>360 W. 31st Street, 8th Floor<br>New York, NY 10001-2727 |
| ATTN:           | Paul McMahon                                                                                                    |
| Phone:          | (212) 479-5429                                                                                                  |
| Project Name:   | 551 GREENWICH STREET                                                                                            |
| Project Number: | 190043701                                                                                                       |
| Report Date:    | 05/02/18                                                                                                        |

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), NJ NELAP (MA015), CT (PH-0141), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), 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 #P330-13-00067), USFWS (Permit #LE2069641).

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320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815063  
**Report Date:** 05/02/18

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b>     | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|--------------------------------|---------------------------------|---------------------|
| L1815063-01                | SV01_042618      | SOIL_VAPOR    | 551 GREENWICH ST, MANHATTAN NY | 04/26/18 11:30                  | 04/26/18            |
| L1815063-02                | SV04_042618      | SOIL_VAPOR    | 551 GREENWICH ST, MANHATTAN NY | 04/26/18 11:00                  | 04/26/18            |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815063  
**Report Date:** 05/02/18

### 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.

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**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815063  
**Report Date:** 05/02/18

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on April 23 and 26, 2018. The canister certification results are provided as an addendum.

L1815063-02: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The sample designated SV04\_042618 (L1815063-02) required a dilution greater than 4X; based on direction from the client the New York Decision Matrix Compounds have been reported by TO15-SIM for these samples.

The WG1111482-3 LCS recoveries for 1,2,4-trichlorobenzene (144%), 1,2,3-trichlorobenzene (137%) and hexachlorobutadiene (138%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

#### Sample Receipt

The final pressure for the sample designated SV01\_042618 (L1815063-01) was -27.4 inHg and the associated flow controller was clogged upon return. The sample did not collect and has been cancelled.

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: 05/02/18



**AIR**

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815063**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1815063-02 D  
 Client ID: SV04\_042618  
 Sample Location: 551 GREENWICH ST, MANHATTAN NY

Date Collected: 04/26/18 11:00  
 Date Received: 04/26/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 05/02/18 01:31  
 Analyst: RY

| Parameter                                | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Dichlorodifluoromethane                  | ND      | 2.00 | --  | ND      | 9.89 | --  |           | 10              |
| Chloromethane                            | ND      | 2.00 | --  | ND      | 4.13 | --  |           | 10              |
| Freon-114                                | ND      | 2.00 | --  | ND      | 14.0 | --  |           | 10              |
| Vinyl chloride                           | ND      | 2.00 | --  | ND      | 5.11 | --  |           | 10              |
| 1,3-Butadiene                            | ND      | 2.00 | --  | ND      | 4.42 | --  |           | 10              |
| Bromomethane                             | ND      | 2.00 | --  | ND      | 7.77 | --  |           | 10              |
| Chloroethane                             | ND      | 2.00 | --  | ND      | 5.28 | --  |           | 10              |
| Ethanol                                  | ND      | 50.0 | --  | ND      | 94.2 | --  |           | 10              |
| Vinyl bromide                            | ND      | 2.00 | --  | ND      | 8.74 | --  |           | 10              |
| Acetone                                  | 584     | 10.0 | --  | 1390    | 23.8 | --  |           | 10              |
| Trichlorofluoromethane                   | ND      | 2.00 | --  | ND      | 11.2 | --  |           | 10              |
| Isopropanol                              | ND      | 5.00 | --  | ND      | 12.3 | --  |           | 10              |
| 1,1-Dichloroethene                       | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |
| Tertiary butyl Alcohol                   | ND      | 5.00 | --  | ND      | 15.2 | --  |           | 10              |
| Methylene chloride                       | ND      | 5.00 | --  | ND      | 17.4 | --  |           | 10              |
| 3-Chloropropene                          | ND      | 2.00 | --  | ND      | 6.26 | --  |           | 10              |
| Carbon disulfide                         | 20.3    | 2.00 | --  | 63.2    | 6.23 | --  |           | 10              |
| Freon-113                                | ND      | 2.00 | --  | ND      | 15.3 | --  |           | 10              |
| trans-1,2-Dichloroethene                 | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |
| 1,1-Dichloroethane                       | ND      | 2.00 | --  | ND      | 8.09 | --  |           | 10              |
| Methyl tert butyl ether                  | ND      | 2.00 | --  | ND      | 7.21 | --  |           | 10              |
| 2-Butanone                               | 23.5    | 5.00 | --  | 69.3    | 14.7 | --  |           | 10              |
| cis-1,2-Dichloroethene                   | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815063**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1815063-02 D

Client ID: SV04\_042618

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Date Collected: 04/26/18 11:00

Date Received: 04/26/18

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Ethyl Acetate                            | ND      | 5.00 | --  | ND      | 18.0 | --  |           | 10              |
| Chloroform                               | ND      | 2.00 | --  | ND      | 9.77 | --  |           | 10              |
| Tetrahydrofuran                          | ND      | 5.00 | --  | ND      | 14.7 | --  |           | 10              |
| 1,2-Dichloroethane                       | ND      | 2.00 | --  | ND      | 8.09 | --  |           | 10              |
| n-Hexane                                 | 6.19    | 2.00 | --  | 21.8    | 7.05 | --  |           | 10              |
| 1,1,1-Trichloroethane                    | ND      | 2.00 | --  | ND      | 10.9 | --  |           | 10              |
| Benzene                                  | 6.27    | 2.00 | --  | 20.0    | 6.39 | --  |           | 10              |
| Carbon tetrachloride                     | ND      | 2.00 | --  | ND      | 12.6 | --  |           | 10              |
| Cyclohexane                              | 78.0    | 2.00 | --  | 268     | 6.88 | --  |           | 10              |
| 1,2-Dichloropropane                      | ND      | 2.00 | --  | ND      | 9.24 | --  |           | 10              |
| Bromodichloromethane                     | ND      | 2.00 | --  | ND      | 13.4 | --  |           | 10              |
| 1,4-Dioxane                              | ND      | 2.00 | --  | ND      | 7.21 | --  |           | 10              |
| Trichloroethene                          | ND      | 2.00 | --  | ND      | 10.7 | --  |           | 10              |
| 2,2,4-Trimethylpentane                   | ND      | 2.00 | --  | ND      | 9.34 | --  |           | 10              |
| Heptane                                  | 10.3    | 2.00 | --  | 42.2    | 8.20 | --  |           | 10              |
| cis-1,3-Dichloropropene                  | ND      | 2.00 | --  | ND      | 9.08 | --  |           | 10              |
| 4-Methyl-2-pentanone                     | ND      | 5.00 | --  | ND      | 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                                  | 56.9    | 2.00 | --  | 214     | 7.54 | --  |           | 10              |
| 2-Hexanone                               | ND      | 2.00 | --  | ND      | 8.20 | --  |           | 10              |
| Dibromochloromethane                     | ND      | 2.00 | --  | ND      | 17.0 | --  |           | 10              |
| 1,2-Dibromoethane                        | ND      | 2.00 | --  | ND      | 15.4 | --  |           | 10              |
| Tetrachloroethene                        | ND      | 2.00 | --  | ND      | 13.6 | --  |           | 10              |
| Chlorobenzene                            | ND      | 2.00 | --  | ND      | 9.21 | --  |           | 10              |
| Ethylbenzene                             | 3.64    | 2.00 | --  | 15.8    | 8.69 | --  |           | 10              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815063**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1815063-02 D

Date Collected: 04/26/18 11:00

Client ID: SV04\_042618

Date Received: 04/26/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |      |     |         |      |     |           |                 |
| p/m-Xylene                               | 7.72    | 4.00 | --  | 33.5    | 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                                 | 2.88    | 2.00 | --  | 12.5    | 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                   | ND      | 2.00 | --  | ND      | 9.83 | --  |           | 10              |
| Benzyl chloride                          | ND      | 2.00 | --  | ND      | 10.4 | --  |           | 10              |
| 1,3-Dichlorobenzene                      | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,4-Dichlorobenzene                      | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,2-Dichlorobenzene                      | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,2,4-Trichlorobenzene                   | ND      | 2.00 | --  | ND      | 14.8 | --  |           | 10              |
| Hexachlorobutadiene                      | ND      | 2.00 | --  | ND      | 21.3 | --  |           | 10              |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 126        |           | 60-140              |
| Bromochloromethane  | 92         |           | 60-140              |
| chlorobenzene-d5    | 137        |           | 60-140              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815063**Project Number:** 190043701**Report Date:** 05/02/18**SAMPLE RESULTS**

Lab ID: L1815063-02 D  
 Client ID: SV04\_042618  
 Sample Location: 551 GREENWICH ST, MANHATTAN NY

Date Collected: 04/26/18 11:00  
 Date Received: 04/26/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 05/02/18 01:31  
 Analyst: RY

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Vinyl chloride                                  | ND      | 0.200 | --  | ND      | 0.511 | --  |           | 10              |
| 1,1-Dichloroethene                              | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 10              |
| cis-1,2-Dichloroethene                          | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 10              |
| 1,1,1-Trichloroethane                           | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 10              |
| Carbon tetrachloride                            | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 10              |
| Trichloroethene                                 | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 10              |
| Tetrachloroethene                               | 0.990   | 0.200 | --  | 6.71    | 1.36  | --  |           | 10              |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-difluorobenzene | 132        |           | 60-140              |
| bromochloromethane  | 95         |           | 60-140              |
| chlorobenzene-d5    | 134        |           | 60-140              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815063**Project Number:** 190043701**Report Date:** 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/01/18 14:47

| Parameter                                                                     | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                               | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1111482-4 |         |       |     |         |       |     |           |                 |
| 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               |
| Ethyl Acetate                                                                 | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |



Project Name: 551 GREENWICH STREET

Lab Number: L1815063

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/01/18 14:47

| Parameter                                                                     | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                               | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1111482-4 |         |       |     |         |       |     |           |                 |
| 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               |
| Ethylbenzene                                                                  | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |



Project Name: 551 GREENWICH STREET

Lab Number: L1815063

Project Number: 190043701

Report Date: 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/01/18 14:47

| Parameter                                                                     | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                               | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1111482-4 |         |       |     |         |       |     |           |                 |
| p/m-Xylene                                                                    | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |
| Bromoform                                                                     | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                                                       | ND      | 0.200 | --  | ND      | 0.852 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                                                     | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene                                                                      | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                                                                | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                                        | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                                        | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Benzyl chloride                                                               | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                                                           | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene                                                           | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2-Dichlorobenzene                                                           | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                                        | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene                                                           | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815063**Project Number:** 190043701**Report Date:** 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 05/01/18 14:47

| Parameter                                                                            | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|--------------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                      | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02 Batch: WG1111485-4 |         |       |     |         |       |     |           |                 |
| 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               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815063**Project Number:** 190043701**Report Date:** 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 05/01/18 14:47

| Parameter                                                                            | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|--------------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                      | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02 Batch: WG1111485-4 |         |       |     |         |       |     |           |                 |
| 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               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815063**Project Number:** 190043701**Report Date:** 05/02/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 05/01/18 14:47

| Parameter                                                                            | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|--------------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                      | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02 Batch: WG1111485-4 |         |       |     |         |       |     |           |                 |
| 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               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815063**Project Number:** 190043701**Report Date:** 05/02/18**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 48,TO-15-SIM

Analytical Date: 05/01/18 14:47

| Parameter                                                                            | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|--------------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                      | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02 Batch: WG1111485-4 |         |       |     |         |       |     |           |                 |
| Hexachlorobutadiene                                                                  | ND      | 0.050 | --  | ND      | 0.533 | --  |           | 1               |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815063

**Report Date:** 05/02/18

| Parameter                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1111482-3 |                  |      |                   |      |                     |     |      |               |
| Chlorodifluoromethane                                                                | 73               |      | -                 |      | 70-130              | -   |      |               |
| Dichlorodifluoromethane                                                              | 89               |      | -                 |      | 70-130              | -   |      |               |
| Chloromethane                                                                        | 70               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane                                               | 94               |      | -                 |      | 70-130              | -   |      |               |
| Methanol                                                                             | 63               | Q    | -                 |      | 70-130              | -   |      |               |
| Vinyl chloride                                                                       | 82               |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Butadiene                                                                        | 91               |      | -                 |      | 70-130              | -   |      |               |
| Butane                                                                               | 66               | Q    | -                 |      | 70-130              | -   |      |               |
| Bromomethane                                                                         | 97               |      | -                 |      | 70-130              | -   |      |               |
| Chloroethane                                                                         | 90               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl Alcohol                                                                        | 83               |      | -                 |      | 70-130              | -   |      |               |
| Dichlorofluoromethane                                                                | 91               |      | -                 |      | 70-130              | -   |      |               |
| Vinyl bromide                                                                        | 104              |      | -                 |      | 70-130              | -   |      |               |
| Acrolein                                                                             | 86               |      | -                 |      | 70-130              | -   |      |               |
| Acetone                                                                              | 113              |      | -                 |      | 70-130              | -   |      |               |
| Acetonitrile                                                                         | 78               |      | -                 |      | 70-130              | -   |      |               |
| Trichlorofluoromethane                                                               | 111              |      | -                 |      | 70-130              | -   |      |               |
| iso-Propyl Alcohol                                                                   | 88               |      | -                 |      | 70-130              | -   |      |               |
| Acrylonitrile                                                                        | 93               |      | -                 |      | 70-130              | -   |      |               |
| Pentane                                                                              | 91               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl ether                                                                          | 92               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloroethene                                                                   | 99               |      | -                 |      | 70-130              | -   |      |               |
| tert-Butyl Alcohol                                                                   | 94               |      | -                 |      | 70-130              | -   |      |               |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815063

**Report Date:** 05/02/18

| Parameter                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1111482-3 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                   | 104              |      | -                 |      | 70-130              | -   |      |               |
| 3-Chloropropene                                                                      | 101              |      | -                 |      | 70-130              | -   |      |               |
| Carbon disulfide                                                                     | 97               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                | 102              |      | -                 |      | 70-130              | -   |      |               |
| trans-1,2-Dichloroethene                                                             | 98               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloroethane                                                                   | 88               |      | -                 |      | 70-130              | -   |      |               |
| Methyl tert butyl ether                                                              | 90               |      | -                 |      | 70-130              | -   |      |               |
| Vinyl acetate                                                                        | 108              |      | -                 |      | 70-130              | -   |      |               |
| 2-Butanone                                                                           | 96               |      | -                 |      | 70-130              | -   |      |               |
| cis-1,2-Dichloroethene                                                               | 90               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl Acetate                                                                        | 102              |      | -                 |      | 70-130              | -   |      |               |
| Chloroform                                                                           | 100              |      | -                 |      | 70-130              | -   |      |               |
| Tetrahydrofuran                                                                      | 94               |      | -                 |      | 70-130              | -   |      |               |
| 2,2-Dichloropropane                                                                  | 90               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloroethane                                                                   | 95               |      | -                 |      | 70-130              | -   |      |               |
| n-Hexane                                                                             | 95               |      | -                 |      | 70-130              | -   |      |               |
| Isopropyl Ether                                                                      | 88               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl-Tert-Butyl-Ether                                                               | 80               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,1-Trichloroethane                                                                | 97               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloropropene                                                                  | 84               |      | -                 |      | 70-130              | -   |      |               |
| Benzene                                                                              | 91               |      | -                 |      | 70-130              | -   |      |               |
| Carbon tetrachloride                                                                 | 105              |      | -                 |      | 70-130              | -   |      |               |
| Cyclohexane                                                                          | 89               |      | -                 |      | 70-130              | -   |      |               |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815063

**Report Date:** 05/02/18

| Parameter                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1111482-3 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                           | 80               |      | -                 |      | 70-130              | -   |      |               |
| Dibromomethane                                                                       | 94               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloropropane                                                                  | 93               |      | -                 |      | 70-130              | -   |      |               |
| Bromodichloromethane                                                                 | 104              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dioxane                                                                          | 101              |      | -                 |      | 70-130              | -   |      |               |
| Trichloroethene                                                                      | 100              |      | -                 |      | 70-130              | -   |      |               |
| 2,2,4-Trimethylpentane                                                               | 97               |      | -                 |      | 70-130              | -   |      |               |
| Methyl Methacrylate                                                                  | 108              |      | -                 |      | 70-130              | -   |      |               |
| Heptane                                                                              | 96               |      | -                 |      | 70-130              | -   |      |               |
| cis-1,3-Dichloropropene                                                              | 88               |      | -                 |      | 70-130              | -   |      |               |
| 4-Methyl-2-pentanone                                                                 | 100              |      | -                 |      | 70-130              | -   |      |               |
| trans-1,3-Dichloropropene                                                            | 84               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2-Trichloroethane                                                                | 102              |      | -                 |      | 70-130              | -   |      |               |
| Toluene                                                                              | 96               |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Dichloropropane                                                                  | 90               |      | -                 |      | 70-130              | -   |      |               |
| 2-Hexanone                                                                           | 108              |      | -                 |      | 70-130              | -   |      |               |
| Dibromochloromethane                                                                 | 119              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dibromoethane                                                                    | 104              |      | -                 |      | 70-130              | -   |      |               |
| Butyl Acetate                                                                        | 85               |      | -                 |      | 70-130              | -   |      |               |
| Octane                                                                               | 82               |      | -                 |      | 70-130              | -   |      |               |
| Tetrachloroethene                                                                    | 106              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,1,2-Tetrachloroethane                                                            | 103              |      | -                 |      | 70-130              | -   |      |               |
| Chlorobenzene                                                                        | 101              |      | -                 |      | 70-130              | -   |      |               |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815063

**Report Date:** 05/02/18

| Parameter                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1111482-3 |                  |      |                   |      |                     |     |      |               |
| Ethylbenzene                                                                         | 98               |      | -                 |      | 70-130              | -   |      |               |
| p/m-Xylene                                                                           | 100              |      | -                 |      | 70-130              | -   |      |               |
| Bromoform                                                                            | 124              |      | -                 |      | 70-130              | -   |      |               |
| Styrene                                                                              | 100              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2,2-Tetrachloroethane                                                            | 111              |      | -                 |      | 70-130              | -   |      |               |
| o-Xylene                                                                             | 105              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,3-Trichloropropane                                                               | 94               |      | -                 |      | 70-130              | -   |      |               |
| Nonane (C9)                                                                          | 91               |      | -                 |      | 70-130              | -   |      |               |
| Isopropylbenzene                                                                     | 96               |      | -                 |      | 70-130              | -   |      |               |
| Bromobenzene                                                                         | 92               |      | -                 |      | 70-130              | -   |      |               |
| o-Chlorotoluene                                                                      | 103              |      | -                 |      | 70-130              | -   |      |               |
| n-Propylbenzene                                                                      | 102              |      | -                 |      | 70-130              | -   |      |               |
| p-Chlorotoluene                                                                      | 94               |      | -                 |      | 70-130              | -   |      |               |
| 4-Ethyltoluene                                                                       | 109              |      | -                 |      | 70-130              | -   |      |               |
| 1,3,5-Trimethylbenzene                                                               | 103              |      | -                 |      | 70-130              | -   |      |               |
| tert-Butylbenzene                                                                    | 103              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,4-Trimethylbenzene                                                               | 111              |      | -                 |      | 70-130              | -   |      |               |
| Decane (C10)                                                                         | 92               |      | -                 |      | 70-130              | -   |      |               |
| Benzyl chloride                                                                      | 123              |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Dichlorobenzene                                                                  | 116              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dichlorobenzene                                                                  | 109              |      | -                 |      | 70-130              | -   |      |               |
| sec-Butylbenzene                                                                     | 100              |      | -                 |      | 70-130              | -   |      |               |
| p-Isopropyltoluene                                                                   | 100              |      | -                 |      | 70-130              | -   |      |               |



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815063

**Report Date:** 05/02/18

| Parameter                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1111482-3 |                  |      |                   |      |                     |     |      |               |
| 1,2-Dichlorobenzene                                                                  | 117              |      | -                 |      | 70-130              | -   |      |               |
| n-Butylbenzene                                                                       | 104              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dibromo-3-chloropropane                                                          | 108              |      | -                 |      | 70-130              | -   |      |               |
| Undecane                                                                             | 103              |      | -                 |      | 70-130              | -   |      |               |
| Dodecane (C12)                                                                       | 118              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,4-Trichlorobenzene                                                               | 144              | Q    | -                 |      | 70-130              | -   |      |               |
| Naphthalene                                                                          | 114              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,3-Trichlorobenzene                                                               | 137              | Q    | -                 |      | 70-130              | -   |      |               |
| Hexachlorobutadiene                                                                  | 138              | Q    | -                 |      | 70-130              | -   |      |               |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1815063

Report Date: 05/02/18

| Parameter                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 Batch: WG1111485-3 |                  |      |                   |      |                     |     |      |               |
| Propylene                                                                                   | 69               | Q    | -                 |      | 70-130              | -   |      | 25            |
| Dichlorodifluoromethane                                                                     | 84               |      | -                 |      | 70-130              | -   |      | 25            |
| Chloromethane                                                                               | 79               |      | -                 |      | 70-130              | -   |      | 25            |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane                                                      | 101              |      | -                 |      | 70-130              | -   |      | 25            |
| Vinyl chloride                                                                              | 87               |      | -                 |      | 70-130              | -   |      | 25            |
| 1,3-Butadiene                                                                               | 99               |      | -                 |      | 70-130              | -   |      | 25            |
| Bromomethane                                                                                | 102              |      | -                 |      | 70-130              | -   |      | 25            |
| Chloroethane                                                                                | 90               |      | -                 |      | 70-130              | -   |      | 25            |
| Ethyl Alcohol                                                                               | 86               |      | -                 |      | 70-130              | -   |      | 25            |
| Vinyl bromide                                                                               | 106              |      | -                 |      | 70-130              | -   |      | 25            |
| Acetone                                                                                     | 116              |      | -                 |      | 70-130              | -   |      | 25            |
| Trichlorofluoromethane                                                                      | 112              |      | -                 |      | 70-130              | -   |      | 25            |
| iso-Propyl Alcohol                                                                          | 92               |      | -                 |      | 70-130              | -   |      | 25            |
| Acrylonitrile                                                                               | 85               |      | -                 |      | 70-130              | -   |      | 25            |
| 1,1-Dichloroethene                                                                          | 101              |      | -                 |      | 70-130              | -   |      | 25            |
| tert-Butyl Alcohol <sup>1</sup>                                                             | 90               |      | -                 |      | 70-130              | -   |      | 25            |
| Methylene chloride                                                                          | 103              |      | -                 |      | 70-130              | -   |      | 25            |
| 3-Chloropropene                                                                             | 108              |      | -                 |      | 70-130              | -   |      | 25            |
| Carbon disulfide                                                                            | 97               |      | -                 |      | 70-130              | -   |      | 25            |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                       | 104              |      | -                 |      | 70-130              | -   |      | 25            |
| trans-1,2-Dichloroethene                                                                    | 89               |      | -                 |      | 70-130              | -   |      | 25            |
| 1,1-Dichloroethane                                                                          | 92               |      | -                 |      | 70-130              | -   |      | 25            |
| Methyl tert butyl ether                                                                     | 84               |      | -                 |      | 70-130              | -   |      | 25            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815063

**Report Date:** 05/02/18

| Parameter                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 Batch: WG1111485-3 |                  |      |                   |      |                     |     |      |               |
| Vinyl acetate                                                                               | 96               |      | -                 |      | 70-130              | -   |      | 25            |
| 2-Butanone                                                                                  | 89               |      | -                 |      | 70-130              | -   |      | 25            |
| cis-1,2-Dichloroethene                                                                      | 85               |      | -                 |      | 70-130              | -   |      | 25            |
| Ethyl Acetate                                                                               | 103              |      | -                 |      | 70-130              | -   |      | 25            |
| Chloroform                                                                                  | 103              |      | -                 |      | 70-130              | -   |      | 25            |
| Tetrahydrofuran                                                                             | 85               |      | -                 |      | 70-130              | -   |      | 25            |
| 1,2-Dichloroethane                                                                          | 96               |      | -                 |      | 70-130              | -   |      | 25            |
| n-Hexane                                                                                    | 92               |      | -                 |      | 70-130              | -   |      | 25            |
| 1,1,1-Trichloroethane                                                                       | 103              |      | -                 |      | 70-130              | -   |      | 25            |
| Benzene                                                                                     | 86               |      | -                 |      | 70-130              | -   |      | 25            |
| Carbon tetrachloride                                                                        | 107              |      | -                 |      | 70-130              | -   |      | 25            |
| Cyclohexane                                                                                 | 86               |      | -                 |      | 70-130              | -   |      | 25            |
| Dibromomethane <sup>1</sup>                                                                 | 87               |      | -                 |      | 70-130              | -   |      | 25            |
| 1,2-Dichloropropane                                                                         | 91               |      | -                 |      | 70-130              | -   |      | 25            |
| Bromodichloromethane                                                                        | 109              |      | -                 |      | 70-130              | -   |      | 25            |
| 1,4-Dioxane                                                                                 | 97               |      | -                 |      | 70-130              | -   |      | 25            |
| Trichloroethene                                                                             | 97               |      | -                 |      | 70-130              | -   |      | 25            |
| 2,2,4-Trimethylpentane                                                                      | 95               |      | -                 |      | 70-130              | -   |      | 25            |
| cis-1,3-Dichloropropene                                                                     | 93               |      | -                 |      | 70-130              | -   |      | 25            |
| 4-Methyl-2-pentanone                                                                        | 108              |      | -                 |      | 70-130              | -   |      | 25            |
| trans-1,3-Dichloropropene                                                                   | 83               |      | -                 |      | 70-130              | -   |      | 25            |
| 1,1,2-Trichloroethane                                                                       | 99               |      | -                 |      | 70-130              | -   |      | 25            |
| Toluene                                                                                     | 94               |      | -                 |      | 70-130              | -   |      | 25            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815063

**Report Date:** 05/02/18

| Parameter                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 Batch: WG1111485-3 |                  |      |                   |      |                     |     |      |               |
| 2-Hexanone                                                                                  | 104              |      | -                 |      | 70-130              | -   |      | 25            |
| Dibromochloromethane                                                                        | 118              |      | -                 |      | 70-130              | -   |      | 25            |
| 1,2-Dibromoethane                                                                           | 102              |      | -                 |      | 70-130              | -   |      | 25            |
| Tetrachloroethene                                                                           | 108              |      | -                 |      | 70-130              | -   |      | 25            |
| 1,1,1,2-Tetrachloroethane                                                                   | 102              |      | -                 |      | 70-130              | -   |      | 25            |
| Chlorobenzene                                                                               | 101              |      | -                 |      | 70-130              | -   |      | 25            |
| Ethylbenzene                                                                                | 89               |      | -                 |      | 70-130              | -   |      | 25            |
| p/m-Xylene                                                                                  | 93               |      | -                 |      | 70-130              | -   |      | 25            |
| Bromoform                                                                                   | 124              |      | -                 |      | 70-130              | -   |      | 25            |
| Styrene                                                                                     | 95               |      | -                 |      | 70-130              | -   |      | 25            |
| 1,1,2,2-Tetrachloroethane                                                                   | 105              |      | -                 |      | 70-130              | -   |      | 25            |
| o-Xylene                                                                                    | 97               |      | -                 |      | 70-130              | -   |      | 25            |
| 1,2,3-Trichloropropane <sup>1</sup>                                                         | 94               |      | -                 |      | 70-130              | -   |      | 25            |
| Isopropylbenzene                                                                            | 96               |      | -                 |      | 70-130              | -   |      | 25            |
| Bromobenzene <sup>1</sup>                                                                   | 94               |      | -                 |      | 70-130              | -   |      | 25            |
| 4-Ethyltoluene                                                                              | 109              |      | -                 |      | 70-130              | -   |      | 25            |
| 1,3,5-Trimethylbenzene                                                                      | 104              |      | -                 |      | 70-130              | -   |      | 25            |
| 1,2,4-Trimethylbenzene                                                                      | 107              |      | -                 |      | 70-130              | -   |      | 25            |
| Benzyl chloride                                                                             | 108              |      | -                 |      | 70-130              | -   |      | 25            |
| 1,3-Dichlorobenzene                                                                         | 110              |      | -                 |      | 70-130              | -   |      | 25            |
| 1,4-Dichlorobenzene                                                                         | 115              |      | -                 |      | 70-130              | -   |      | 25            |
| sec-Butylbenzene                                                                            | 102              |      | -                 |      | 70-130              | -   |      | 25            |
| p-Isopropyltoluene                                                                          | 94               |      | -                 |      | 70-130              | -   |      | 25            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815063

**Report Date:** 05/02/18

| Parameter                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 Batch: WG1111485-3 |                  |      |                   |      |                     |     |      |               |
| 1,2-Dichlorobenzene                                                                         | 121              |      | -                 |      | 70-130              | -   |      | 25            |
| n-Butylbenzene                                                                              | 110              |      | -                 |      | 70-130              | -   |      | 25            |
| 1,2,4-Trichlorobenzene                                                                      | 146              | Q    | -                 |      | 70-130              | -   |      | 25            |
| Naphthalene                                                                                 | 103              |      | -                 |      | 70-130              | -   |      | 25            |
| 1,2,3-Trichlorobenzene                                                                      | 137              | Q    | -                 |      | 70-130              | -   |      | 25            |
| Hexachlorobutadiene                                                                         | 148              | Q    | -                 |      | 70-130              | -   |      | 25            |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Lab Number:** L1815063  
**Report Date:** 05/02/18

| Parameter                                                                                                                               | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1111482-5 QC Sample: L1815115-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Dichlorodifluoromethane                                                                                                                 | 0.354         | 0.412            | ppbV  | 15  |      | 25         |
| Chloromethane                                                                                                                           | 1.19          | 1.22             | 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                                                                                                                           | 978E          | 954E             | ppbV  | 11  |      | 25         |
| Vinyl bromide                                                                                                                           | ND            | ND               | ppbV  | NC  |      | 25         |
| Acetone                                                                                                                                 | 23.4          | 24.1             | ppbV  | 3   |      | 25         |
| Trichlorofluoromethane                                                                                                                  | 0.352         | 0.364            | ppbV  | 3   |      | 25         |
| iso-Propyl Alcohol                                                                                                                      | 7.78          | 8.46             | ppbV  | 8   |      | 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                                                                                                                              | 1.70          | 1.83             | ppbV  | 7   |      | 25         |
| Ethyl Acetate                                                                                                                           | 2.68          | 2.88             | ppbV  | 7   |      | 25         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815063

**Report Date:** 05/02/18

| Parameter                                                                                                                               | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1111482-5 QC Sample: L1815115-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Chloroform                                                                                                                              | 2.94          | 2.91             | ppbV  | 1   |      | 25         |
| Tetrahydrofuran                                                                                                                         | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,2-Dichloroethane                                                                                                                      | ND            | ND               | ppbV  | NC  |      | 25         |
| n-Hexane                                                                                                                                | 4.64          | 5.04             | ppbV  | 8   |      | 25         |
| Benzene                                                                                                                                 | 1.48          | 1.47             | ppbV  | 1   |      | 25         |
| Cyclohexane                                                                                                                             | 1.05          | 1.06             | ppbV  | 1   |      | 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                                                                                                                  | 0.904         | 0.933            | ppbV  | 3   |      | 25         |
| Heptane                                                                                                                                 | 0.844         | 0.885            | ppbV  | 5   |      | 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                                                                                                                                 | 3.76          | 3.56             | ppbV  | 5   |      | 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                                                                                                                            | 0.255         | 0.264            | ppbV  | 3   |      | 25         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815063  
**Report Date:** 05/02/18

| Parameter                                                                                                                               | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1111482-5 QC Sample: L1815115-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| p/m-Xylene                                                                                                                              | 0.828         | 0.801            | ppbV  | 3   |      | 25         |
| Bromoform                                                                                                                               | ND            | ND               | ppbV  | NC  |      | 25         |
| Styrene                                                                                                                                 | 0.282         | 0.271            | ppbV  | 4   |      | 25         |
| 1,1,2,2-Tetrachloroethane                                                                                                               | ND            | ND               | ppbV  | NC  |      | 25         |
| o-Xylene                                                                                                                                | 0.320         | 0.314            | ppbV  | 2   |      | 25         |
| 4-Ethyltoluene                                                                                                                          | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,3,5-Trimethylbenzene                                                                                                                  | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,2,4-Trimethylbenzene                                                                                                                  | 0.224         | 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): 02 QC Batch ID: WG1111482-5 QC Sample: L1815115-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Ethyl Alcohol                                                                                                                           | 854           | 857              | ppbV  | 13  |      | 25         |



# Lab Duplicate Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815063

**Report Date:** 05/02/18

| Parameter                                                                                                                                      | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1111485-5 QC Sample: L1815115-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| 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                                                                                                                           | 0.096         | 0.099            | ppbV  | 3   |      | 25         |
| Trichloroethene                                                                                                                                | ND            | ND               | ppbV  | NC  |      | 25         |
| Tetrachloroethene                                                                                                                              | 0.159         | 0.153            | ppbV  | 4   |      | 25         |

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

Serial\_No:05021816:14  
**Lab Number:** L1815063

**Report Date:** 05/02/18

### 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 Controller Leak Chk | Flow Out mL/min | Flow In mL/min | % RPD |
|-------------|-------------|----------|------------|---------------|--------------|-------------------|----------------|---------------------------|------------------------------|--------------------------|-----------------|----------------|-------|
| L1815063-01 | SV01_042618 | 0132     | Flow 3     | 04/23/18      | 263272       |                   | -              | -                         | -                            | Pass                     | 40.0            | 0.0            | 200   |
| L1815063-01 | SV01_042618 | 1998     | 6.0L Can   | 04/23/18      | 263272       | L1813620-01       | Pass           | -30.0                     | -27.4                        | -                        | -               | -              | -     |
| L1815063-02 | SV04_042618 | 0235     | Flow 5     | 04/26/18      | 264396       |                   | -              | -                         | -                            | Pass                     | 17.9            | 17.1           | 5     |
| L1815063-02 | SV04_042618 | 262      | 2.7L Can   | 04/26/18      | 264396       | L1813884-01       | Pass           | -28.4                     | -4.8                         | -                        | -               | -              | -     |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 04/19/18 16:31  
**Analyst:** RY

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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               |
| 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               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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               |
| o-Xylene                                 | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 1,2,3-Trichloropropane                   | ND      | 0.200 | --  | ND      | 1.21  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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:** L1813620**Project Number:** CANISTER QC BAT**Report Date:** 05/02/18**Air Canister Certification Results**

Lab ID: L1813620-01

Date Collected: 04/18/18 16:00

Client ID: CAN 1678 SHELF 51

Date Received: 04/19/18

Sample Location:

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |    |     | ug/m3   |    |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|----|-----|---------|----|-----|-----------|-----------------|
|                                          | Results | RL | MDL | Results | RL | MDL |           |                 |
| 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 | 86         |           | 60-140              |
| Bromochloromethane  | 101        |           | 60-140              |
| chlorobenzene-d5    | 90         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15-SIM  
**Analytical Date:** 04/19/18 16:31  
**Analyst:** RY

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813620  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813620-01  
**Client ID:** CAN 1678 SHELF 51  
**Sample Location:**

**Date Collected:** 04/18/18 16:00  
**Date Received:** 04/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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  | 103        |           | 60-140              |
| chlorobenzene-d5    | 90         |           | 60-140              |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813884  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813884-01  
**Client ID:** CAN 362 SHELF 1  
**Sample Location:**

**Date Collected:** 04/19/18 16:00  
**Date Received:** 04/20/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 04/20/18 18:05  
**Analyst:** RY

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813884  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813884-01  
**Client ID:** CAN 362 SHELF 1  
**Sample Location:**

**Date Collected:** 04/19/18 16:00  
**Date Received:** 04/20/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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               |
| 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               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813884  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813884-01  
**Client ID:** CAN 362 SHELF 1  
**Sample Location:**

**Date Collected:** 04/19/18 16:00  
**Date Received:** 04/20/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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               |
| o-Xylene                                 | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 1,2,3-Trichloropropane                   | ND      | 0.200 | --  | ND      | 1.21  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813884  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813884-01  
**Client ID:** CAN 362 SHELF 1  
**Sample Location:**

**Date Collected:** 04/19/18 16:00  
**Date Received:** 04/20/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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:** L1813884**Project Number:** CANISTER QC BAT**Report Date:** 05/02/18**Air Canister Certification Results**

Lab ID: L1813884-01

Date Collected: 04/19/18 16:00

Client ID: CAN 362 SHELF 1

Date Received: 04/20/18

Sample Location:

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |    |     | ug/m3   |    |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|----|-----|---------|----|-----|-----------|-----------------|
|                                          | Results | RL | MDL | Results | RL | MDL |           |                 |
| 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 | 86         |           | 60-140              |
| Bromochloromethane  | 86         |           | 60-140              |
| chlorobenzene-d5    | 85         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1813884  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813884-01  
**Client ID:** CAN 362 SHELF 1  
**Sample Location:**

**Date Collected:** 04/19/18 16:00  
**Date Received:** 04/20/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15-SIM  
**Analytical Date:** 04/20/18 18:05  
**Analyst:** RY

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1813884  
**Report Date:** 05/02/18

### Air Canister Certification Results

**Lab ID:** L1813884-01  
**Client ID:** CAN 362 SHELF 1  
**Sample Location:**

**Date Collected:** 04/19/18 16:00  
**Date Received:** 04/20/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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**Lab Number:** L1813884**Project Number:** CANISTER QC BAT**Report Date:** 05/02/18**Air Canister Certification Results**

Lab ID: L1813884-01

Date Collected: 04/19/18 16:00

Client ID: CAN 362 SHELF 1

Date Received: 04/20/18

Sample Location:

Field Prep: Not Specified

Sample Depth:

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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 | 88         |           | 60-140              |
| bromochloromethane  | 92         |           | 60-140              |
| chlorobenzene-d5    | 85         |           | 60-140              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815063**Project Number:** 190043701**Report Date:** 05/02/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information****Cooler**                      **Custody Seal**

N/A                              Absent

**Container Information**

| <b>Container ID</b> | <b>Container Type</b> | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b>       |
|---------------------|-----------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--------------------------|
| L1815063-01A        | Canister - 6 Liter    | N/A           | NA                    |                     |                       | Y           | Absent      |                             | CANCELLED()              |
| L1815063-02A        | Canister - 2.7 Liter  | N/A           | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30),TO15-SIM(30) |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815063  
**Report Date:** 05/02/18

## 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).                        |
| 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.                                                                                                                                                                                                                                                                                                                                                                                               |
| 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.

### 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

**Report Format:** Data Usability Report



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815063  
**Report Date:** 05/02/18

#### Data Qualifiers

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.

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815063  
**Report Date:** 05/02/18

## 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.



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**Revision **11**

Published Date: 1/8/2018 4:15:49 PM

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**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, NO<sub>2</sub>, NO<sub>3</sub>.**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

## Client Information

Client: Langan Engineering  
Address: 300 W 31st Street,  
Manhattan NY  
Phone: 212-479-5400

Fax:

Email: pirmahan@langen.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

## Project Information

|                   |                                        |
|-------------------|----------------------------------------|
| Project Name:     | 551 Greenwich Street                   |
| Project Location: | 551 Greenwich Street,<br>Manhattan, NY |
| Project #:        | 190043701                              |
| Project Manager:  | Paul McMahon                           |
| ALPHA Quote #:    |                                        |

### Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: \_\_\_\_\_ Time: \_\_\_\_\_

Date Rec'd in Lab:

### Report Information - Data Deliverables

☐ FAX  
☒ ADEx  
Criteria Checker: \_\_\_\_\_  
(Default based on Regulatory Criteria Indicated)  
Other Formats: \_\_\_\_\_  
☒ EMAIL (standard pdf report)  
☒ Additional Deliverables: \_\_\_\_\_  
ASP-A  
Report to: (if different than Project Manager)

ALPHA Job #:

☐ Same as Client info PO #:

## Regulatory Requirements/Report Limits

| State/Fed | Program | Res / Comm |
|-----------|---------|------------|
|-----------|---------|------------|

## ANALYSIS

**All Columns Below Must Be Filled Out**

[illegible]

\*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)  
SV = Soil Vapor/Landfill Gas/SVE  
Other = Please Specify

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

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:     | L1815666                                                                                                        |
| Client:         | Langan Engineering & Environmental<br>21 Penn Plaza<br>360 W. 31st Street, 8th Floor<br>New York, NY 10001-2727 |
| ATTN:           | Paul McMahon                                                                                                    |
| Phone:          | (212) 479-5429                                                                                                  |
| Project Name:   | 551 GREENWICH STREET                                                                                            |
| Project Number: | 190043701                                                                                                       |
| Report Date:    | 05/09/18                                                                                                        |

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](http://www.alphalab.com)



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

| Alpha<br>Sample ID | Client ID         | Matrix | Sample<br>Location               | Collection<br>Date/Time | Receive Date |
|--------------------|-------------------|--------|----------------------------------|-------------------------|--------------|
| L1815666-01        | MW02_050218       | WATER  | 551 GREENWICH ST., MANHATTAN, NY | 05/02/18 12:15          | 05/02/18     |
| L1815666-02        | MW03_050218       | WATER  | 551 GREENWICH ST., MANHATTAN, NY | 05/02/18 09:30          | 05/02/18     |
| L1815666-03        | MW04_050218       | WATER  | 551 GREENWICH ST., MANHATTAN, NY | 05/02/18 08:20          | 05/02/18     |
| L1815666-04        | MW06_050218       | WATER  | 551 GREENWICH ST., MANHATTAN, NY | 05/02/18 14:00          | 05/02/18     |
| L1815666-05        | FIELD BLANK       | WATER  | 551 GREENWICH ST., MANHATTAN, NY | 05/02/18 10:00          | 05/02/18     |
| L1815666-06        | WC_RI_DRUM_050218 | SOIL   | 551 GREENWICH ST., MANHATTAN, NY | 05/02/18 14:30          | 05/02/18     |
| L1815666-07        | DUP01_050218      | WATER  | 551 GREENWICH ST., MANHATTAN, NY | 05/02/18 12:30          | 05/02/18     |
| L1815666-08        | TRIP BLANK        | WATER  | 551 GREENWICH ST., MANHATTAN, NY | 05/02/18 00:00          | 05/02/18     |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

### 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:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

### 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

L1815666-08: A sample identified as "TRIP BLANK" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

#### Semivolatile Organics by SIM

L1815666-01, -04, and -07: The sample has elevated detection limits due to the dilution required by the sample matrix.

#### Total Metals

L1815666-05: The Field Blank has a result for barium 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.

#### Dissolved Metals

The WG1112614-3 MS recovery for magnesium (330%), performed on L1815666-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1112614-3 MS recovery, performed on L1815666-01, is outside the acceptance criteria for antimony (126%). A post digestion spike was performed and was within 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:

 Melissa Cripps

Title: Technical Director/Representative

Date: 05/09/18

# ORGANICS

# **VOLATILES**

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-01 D  
 Client ID: MW02\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:15  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/05/18 18:39  
 Analyst: AD

| Parameter                                    | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Methylene chloride                           | ND     |           | ug/l  | 250 | 70. | 100             |
| 1,1-Dichloroethane                           | ND     |           | ug/l  | 250 | 70. | 100             |
| Chloroform                                   | ND     |           | ug/l  | 250 | 70. | 100             |
| Carbon tetrachloride                         | ND     |           | ug/l  | 50  | 13. | 100             |
| 1,2-Dichloropropane                          | ND     |           | ug/l  | 100 | 14. | 100             |
| Dibromochloromethane                         | ND     |           | ug/l  | 50  | 15. | 100             |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 150 | 50. | 100             |
| Tetrachloroethene                            | ND     |           | ug/l  | 50  | 18. | 100             |
| Chlorobenzene                                | ND     |           | ug/l  | 250 | 70. | 100             |
| Trichlorofluoromethane                       | ND     |           | ug/l  | 250 | 70. | 100             |
| 1,2-Dichloroethane                           | ND     |           | ug/l  | 50  | 13. | 100             |
| 1,1,1-Trichloroethane                        | ND     |           | ug/l  | 250 | 70. | 100             |
| Bromodichloromethane                         | ND     |           | ug/l  | 50  | 19. | 100             |
| trans-1,3-Dichloropropene                    | ND     |           | ug/l  | 50  | 16. | 100             |
| cis-1,3-Dichloropropene                      | ND     |           | ug/l  | 50  | 14. | 100             |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/l  | 50  | 14. | 100             |
| 1,1-Dichloropropene                          | ND     |           | ug/l  | 250 | 70. | 100             |
| Bromoform                                    | ND     |           | ug/l  | 200 | 65. | 100             |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/l  | 50  | 17. | 100             |
| Benzene                                      | 12000  |           | ug/l  | 50  | 16. | 100             |
| Toluene                                      | 15000  |           | ug/l  | 250 | 70. | 100             |
| Ethylbenzene                                 | 1400   |           | ug/l  | 250 | 70. | 100             |
| Chloromethane                                | ND     |           | ug/l  | 250 | 70. | 100             |
| Bromomethane                                 | ND     |           | ug/l  | 250 | 70. | 100             |
| Vinyl chloride                               | ND     |           | ug/l  | 100 | 7.1 | 100             |
| Chloroethane                                 | ND     |           | ug/l  | 250 | 70. | 100             |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 50  | 17. | 100             |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 250 | 70. | 100             |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-01 D  
 Client ID: MW02\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:15  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Trichloroethene                              | ND     |           | ug/l  | 50  | 18. | 100             |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 250 | 70. | 100             |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 250 | 70. | 100             |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 250 | 70. | 100             |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 250 | 70. | 100             |
| p/m-Xylene                                   | 6700   |           | ug/l  | 250 | 70. | 100             |
| o-Xylene                                     | 3400   |           | ug/l  | 250 | 70. | 100             |
| Xylenes, Total                               | 10000  |           | ug/l  | 250 | 70. | 100             |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 250 | 70. | 100             |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/l  | 250 | 70. | 100             |
| Dibromomethane                               | ND     |           | ug/l  | 500 | 100 | 100             |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 250 | 70. | 100             |
| Acrylonitrile                                | ND     |           | ug/l  | 500 | 150 | 100             |
| Styrene                                      | ND     |           | ug/l  | 250 | 70. | 100             |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 500 | 100 | 100             |
| Acetone                                      | ND     |           | ug/l  | 500 | 150 | 100             |
| Carbon disulfide                             | ND     |           | ug/l  | 500 | 100 | 100             |
| 2-Butanone                                   | ND     |           | ug/l  | 500 | 190 | 100             |
| Vinyl acetate                                | ND     |           | ug/l  | 500 | 100 | 100             |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 500 | 100 | 100             |
| 2-Hexanone                                   | ND     |           | ug/l  | 500 | 100 | 100             |
| Bromochloromethane                           | ND     |           | ug/l  | 250 | 70. | 100             |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 250 | 70. | 100             |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 200 | 65. | 100             |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 250 | 70. | 100             |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 250 | 70. | 100             |
| Bromobenzene                                 | ND     |           | ug/l  | 250 | 70. | 100             |
| n-Butylbenzene                               | ND     |           | ug/l  | 250 | 70. | 100             |
| sec-Butylbenzene                             | ND     |           | ug/l  | 250 | 70. | 100             |
| tert-Butylbenzene                            | ND     |           | ug/l  | 250 | 70. | 100             |
| o-Chlorotoluene                              | ND     |           | ug/l  | 250 | 70. | 100             |
| p-Chlorotoluene                              | ND     |           | ug/l  | 250 | 70. | 100             |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 250 | 70. | 100             |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 250 | 70. | 100             |
| Isopropylbenzene                             | ND     |           | ug/l  | 250 | 70. | 100             |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 250 | 70. | 100             |
| Naphthalene                                  | 520    |           | ug/l  | 250 | 70. | 100             |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

**SAMPLE RESULTS**

**Lab ID:** L1815666-01      **D**  
**Client ID:** MW02\_050218  
**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY

**Date Collected:** 05/02/18 12:15  
**Date Received:** 05/02/18  
**Field Prep:** Field Filtered (Dissolved Metals)

**Sample Depth:**

| Parameter                                    | Result | Qualifier | Units | RL    | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |       |      |                 |
| n-Propylbenzene                              | 120    | J         | ug/l  | 250   | 70.  | 100             |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 250   | 70.  | 100             |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 250   | 70.  | 100             |
| 1,3,5-Trimethylbenzene                       | 380    |           | ug/l  | 250   | 70.  | 100             |
| 1,2,4-Trimethylbenzene                       | 1200   |           | ug/l  | 250   | 70.  | 100             |
| 1,4-Dioxane                                  | ND     |           | ug/l  | 25000 | 6100 | 100             |
| p-Diethylbenzene                             | 130    | J         | ug/l  | 200   | 70.  | 100             |
| p-Ethyltoluene                               | 940    |           | ug/l  | 200   | 70.  | 100             |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 200   | 54.  | 100             |
| Ethyl ether                                  | ND     |           | ug/l  | 250   | 70.  | 100             |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 250   | 70.  | 100             |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 101        |           | 70-130              |
| Toluene-d8            | 96         |           | 70-130              |
| 4-Bromofluorobenzene  | 93         |           | 70-130              |
| Dibromofluoromethane  | 99         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-02  
 Client ID: MW03\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 09:30  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/05/18 17:48  
 Analyst: AD

| 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                                      | 0.51   |           | 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:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-02**Date Collected:** 05/02/18 09:30**Client ID:** MW03\_050218**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**Field Prep:** Field Filtered (Dissolved Metals)**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                      | 1.2    | J         | ug/l  | 2.5  | 0.70 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Xylene                                     | 0.86   | J         | ug/l  | 2.5  | 0.70 | 1               |
| Xylenes, Total                               | 0.86   | J         | 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                                      | 3.6    | 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:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

**SAMPLE RESULTS**

**Lab ID:** L1815666-02  
**Client ID:** MW03\_050218  
**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY

**Date Collected:** 05/02/18 09:30  
**Date Received:** 05/02/18  
**Field Prep:** Field Filtered (Dissolved Metals)

**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                       | 2.4    | J         | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trimethylbenzene                       | 1.0    | J         | ug/l  | 2.5 | 0.70 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/l  | 250 | 61.  | 1               |
| p-Diethylbenzene                             | 2.8    |           | ug/l  | 2.0 | 0.70 | 1               |
| p-Ethyltoluene                               | 1.3    | J         | ug/l  | 2.0 | 0.70 | 1               |
| 1,2,4,5-Tetramethylbenzene                   | 1.0    | J         | 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 | 101        |           | 70-130              |
| Toluene-d8            | 95         |           | 70-130              |
| 4-Bromofluorobenzene  | 95         |           | 70-130              |
| Dibromofluoromethane  | 99         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-03  
 Client ID: MW04\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 08:20  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/05/18 18:13  
 Analyst: AD

| 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                                   | 1.4    | J         | 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:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-03  
 Client ID: MW04\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 08:20  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                              | 0.44   | 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                                      | 3.2    | 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                                  | 2.3    | J         | ug/l  | 2.5  | 0.70 | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

**SAMPLE RESULTS**

**Lab ID:** L1815666-03  
**Client ID:** MW04\_050218  
**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY

**Date Collected:** 05/02/18 08:20  
**Date Received:** 05/02/18  
**Field Prep:** Field Filtered (Dissolved Metals)

**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 | 101        |           | 70-130              |
| Toluene-d8            | 96         |           | 70-130              |
| 4-Bromofluorobenzene  | 93         |           | 70-130              |
| Dibromofluoromethane  | 100        |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-04 D  
 Client ID: MW06\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 14:00  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/05/18 19:04  
 Analyst: AD

| Parameter                                    | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Methylene chloride                           | ND     |           | ug/l  | 120 | 35. | 50              |
| 1,1-Dichloroethane                           | ND     |           | ug/l  | 120 | 35. | 50              |
| Chloroform                                   | ND     |           | ug/l  | 120 | 35. | 50              |
| Carbon tetrachloride                         | ND     |           | ug/l  | 25  | 6.7 | 50              |
| 1,2-Dichloropropane                          | ND     |           | ug/l  | 50  | 6.8 | 50              |
| Dibromochloromethane                         | ND     |           | ug/l  | 25  | 7.4 | 50              |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 75  | 25. | 50              |
| Tetrachloroethene                            | ND     |           | ug/l  | 25  | 9.0 | 50              |
| Chlorobenzene                                | ND     |           | ug/l  | 120 | 35. | 50              |
| Trichlorofluoromethane                       | ND     |           | ug/l  | 120 | 35. | 50              |
| 1,2-Dichloroethane                           | ND     |           | ug/l  | 25  | 6.6 | 50              |
| 1,1,1-Trichloroethane                        | ND     |           | ug/l  | 120 | 35. | 50              |
| Bromodichloromethane                         | ND     |           | ug/l  | 25  | 9.6 | 50              |
| trans-1,3-Dichloropropene                    | ND     |           | ug/l  | 25  | 8.2 | 50              |
| cis-1,3-Dichloropropene                      | ND     |           | ug/l  | 25  | 7.2 | 50              |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/l  | 25  | 7.2 | 50              |
| 1,1-Dichloropropene                          | ND     |           | ug/l  | 120 | 35. | 50              |
| Bromoform                                    | ND     |           | ug/l  | 100 | 32. | 50              |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/l  | 25  | 8.4 | 50              |
| Benzene                                      | 4400   |           | ug/l  | 25  | 8.0 | 50              |
| Toluene                                      | 850    |           | ug/l  | 120 | 35. | 50              |
| Ethylbenzene                                 | 480    |           | ug/l  | 120 | 35. | 50              |
| Chloromethane                                | ND     |           | ug/l  | 120 | 35. | 50              |
| Bromomethane                                 | ND     |           | ug/l  | 120 | 35. | 50              |
| Vinyl chloride                               | ND     |           | ug/l  | 50  | 3.6 | 50              |
| Chloroethane                                 | ND     |           | ug/l  | 120 | 35. | 50              |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 25  | 8.4 | 50              |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 120 | 35. | 50              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-04 D  
 Client ID: MW06\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 14:00  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Trichloroethene                              | ND     |           | ug/l  | 25  | 8.8 | 50              |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 120 | 35. | 50              |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 120 | 35. | 50              |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 120 | 35. | 50              |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 120 | 35. | 50              |
| p/m-Xylene                                   | 1300   |           | ug/l  | 120 | 35. | 50              |
| o-Xylene                                     | 550    |           | ug/l  | 120 | 35. | 50              |
| Xylenes, Total                               | 1900   |           | ug/l  | 120 | 35. | 50              |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 120 | 35. | 50              |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/l  | 120 | 35. | 50              |
| Dibromomethane                               | ND     |           | ug/l  | 250 | 50. | 50              |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 120 | 35. | 50              |
| Acrylonitrile                                | ND     |           | ug/l  | 250 | 75. | 50              |
| Styrene                                      | ND     |           | ug/l  | 120 | 35. | 50              |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 250 | 50. | 50              |
| Acetone                                      | ND     |           | ug/l  | 250 | 73. | 50              |
| Carbon disulfide                             | ND     |           | ug/l  | 250 | 50. | 50              |
| 2-Butanone                                   | ND     |           | ug/l  | 250 | 97. | 50              |
| Vinyl acetate                                | ND     |           | ug/l  | 250 | 50. | 50              |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 250 | 50. | 50              |
| 2-Hexanone                                   | ND     |           | ug/l  | 250 | 50. | 50              |
| Bromochloromethane                           | ND     |           | ug/l  | 120 | 35. | 50              |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 120 | 35. | 50              |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 100 | 32. | 50              |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 120 | 35. | 50              |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 120 | 35. | 50              |
| Bromobenzene                                 | ND     |           | ug/l  | 120 | 35. | 50              |
| n-Butylbenzene                               | ND     |           | ug/l  | 120 | 35. | 50              |
| sec-Butylbenzene                             | ND     |           | ug/l  | 120 | 35. | 50              |
| tert-Butylbenzene                            | ND     |           | ug/l  | 120 | 35. | 50              |
| o-Chlorotoluene                              | ND     |           | ug/l  | 120 | 35. | 50              |
| p-Chlorotoluene                              | ND     |           | ug/l  | 120 | 35. | 50              |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 120 | 35. | 50              |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 120 | 35. | 50              |
| Isopropylbenzene                             | ND     |           | ug/l  | 120 | 35. | 50              |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 120 | 35. | 50              |
| Naphthalene                                  | 380    |           | ug/l  | 120 | 35. | 50              |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

**SAMPLE RESULTS**

**Lab ID:** L1815666-04      **D**  
**Client ID:** MW06\_050218  
**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY

**Date Collected:** 05/02/18 14:00  
**Date Received:** 05/02/18  
**Field Prep:** Field Filtered (Dissolved Metals)

**Sample Depth:**

| Parameter                                    | Result | Qualifier | Units | RL    | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |       |      |                 |
| n-Propylbenzene                              | 60     | J         | ug/l  | 120   | 35.  | 50              |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 120   | 35.  | 50              |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 120   | 35.  | 50              |
| 1,3,5-Trimethylbenzene                       | 210    |           | ug/l  | 120   | 35.  | 50              |
| 1,2,4-Trimethylbenzene                       | 740    |           | ug/l  | 120   | 35.  | 50              |
| 1,4-Dioxane                                  | ND     |           | ug/l  | 12000 | 3000 | 50              |
| p-Diethylbenzene                             | 110    |           | ug/l  | 100   | 35.  | 50              |
| p-Ethyltoluene                               | 370    |           | ug/l  | 100   | 35.  | 50              |
| 1,2,4,5-Tetramethylbenzene                   | 54     | J         | ug/l  | 100   | 27.  | 50              |
| Ethyl ether                                  | ND     |           | ug/l  | 120   | 35.  | 50              |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 120   | 35.  | 50              |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 102        |           | 70-130              |
| Toluene-d8            | 96         |           | 70-130              |
| 4-Bromofluorobenzene  | 96         |           | 70-130              |
| Dibromofluoromethane  | 97         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-05  
 Client ID: FIELD BLANK  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 10:00  
 Date Received: 05/02/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/07/18 12:27  
 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:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-05  
 Client ID: FIELD BLANK  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 10:00  
 Date Received: 05/02/18  
 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                                      | 2.2    | 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:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

**SAMPLE RESULTS**

**Lab ID:** L1815666-05  
**Client ID:** FIELD BLANK  
**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY

**Date Collected:** 05/02/18 10:00  
**Date Received:** 05/02/18  
**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 | 116        |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 111        |           | 70-130              |
| Dibromofluoromethane  | 92         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-06  
 Client ID: WC\_RI\_DRUM\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 14:30  
 Date Received: 05/02/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 05/07/18 08:31  
 Analyst: MM

TCLP/SPLP Ext. Date: 05/05/18 03:14

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| TCLP Volatiles by EPA 1311 - Westborough Lab |        |           |       |     |      |                 |
| Chloroform                                   | ND     |           | ug/l  | 7.5 | 2.2  | 10              |
| Carbon tetrachloride                         | ND     |           | ug/l  | 5.0 | 1.3  | 10              |
| Tetrachloroethene                            | ND     |           | ug/l  | 5.0 | 1.8  | 10              |
| Chlorobenzene                                | ND     |           | ug/l  | 5.0 | 1.8  | 10              |
| 1,2-Dichloroethane                           | ND     |           | ug/l  | 5.0 | 1.3  | 10              |
| Benzene                                      | ND     |           | ug/l  | 5.0 | 1.6  | 10              |
| Vinyl chloride                               | ND     |           | ug/l  | 10  | 0.71 | 10              |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 5.0 | 1.7  | 10              |
| Trichloroethene                              | ND     |           | ug/l  | 5.0 | 1.8  | 10              |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 25  | 1.9  | 10              |
| 2-Butanone                                   | ND     |           | ug/l  | 50  | 19.  | 10              |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 105        |           | 70-130              |
| Toluene-d8            | 90         |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| dibromofluoromethane  | 107        |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-07 D  
 Client ID: DUP01\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:30  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/05/18 19:30  
 Analyst: AD

| Parameter                                    | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Methylene chloride                           | ND     |           | ug/l  | 500 | 140 | 200             |
| 1,1-Dichloroethane                           | ND     |           | ug/l  | 500 | 140 | 200             |
| Chloroform                                   | ND     |           | ug/l  | 500 | 140 | 200             |
| Carbon tetrachloride                         | ND     |           | ug/l  | 100 | 27. | 200             |
| 1,2-Dichloropropane                          | ND     |           | ug/l  | 200 | 27. | 200             |
| Dibromochloromethane                         | ND     |           | ug/l  | 100 | 30. | 200             |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 300 | 100 | 200             |
| Tetrachloroethene                            | ND     |           | ug/l  | 100 | 36. | 200             |
| Chlorobenzene                                | ND     |           | ug/l  | 500 | 140 | 200             |
| Trichlorofluoromethane                       | ND     |           | ug/l  | 500 | 140 | 200             |
| 1,2-Dichloroethane                           | ND     |           | ug/l  | 100 | 26. | 200             |
| 1,1,1-Trichloroethane                        | ND     |           | ug/l  | 500 | 140 | 200             |
| Bromodichloromethane                         | ND     |           | ug/l  | 100 | 38. | 200             |
| trans-1,3-Dichloropropene                    | ND     |           | ug/l  | 100 | 33. | 200             |
| cis-1,3-Dichloropropene                      | ND     |           | ug/l  | 100 | 29. | 200             |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/l  | 100 | 29. | 200             |
| 1,1-Dichloropropene                          | ND     |           | ug/l  | 500 | 140 | 200             |
| Bromoform                                    | ND     |           | ug/l  | 400 | 130 | 200             |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/l  | 100 | 33. | 200             |
| Benzene                                      | 13000  |           | ug/l  | 100 | 32. | 200             |
| Toluene                                      | 16000  |           | ug/l  | 500 | 140 | 200             |
| Ethylbenzene                                 | 1400   |           | ug/l  | 500 | 140 | 200             |
| Chloromethane                                | ND     |           | ug/l  | 500 | 140 | 200             |
| Bromomethane                                 | ND     |           | ug/l  | 500 | 140 | 200             |
| Vinyl chloride                               | ND     |           | ug/l  | 200 | 14. | 200             |
| Chloroethane                                 | ND     |           | ug/l  | 500 | 140 | 200             |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 100 | 34. | 200             |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 500 | 140 | 200             |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-07 D  
 Client ID: DUP01\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:30  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                              | ND     |           | ug/l  | 100  | 35. | 200             |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 500  | 140 | 200             |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 500  | 140 | 200             |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 500  | 140 | 200             |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 500  | 140 | 200             |
| p/m-Xylene                                   | 7100   |           | ug/l  | 500  | 140 | 200             |
| o-Xylene                                     | 3600   |           | ug/l  | 500  | 140 | 200             |
| Xylenes, Total                               | 11000  |           | ug/l  | 500  | 140 | 200             |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 500  | 140 | 200             |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/l  | 500  | 140 | 200             |
| Dibromomethane                               | ND     |           | ug/l  | 1000 | 200 | 200             |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 500  | 140 | 200             |
| Acrylonitrile                                | ND     |           | ug/l  | 1000 | 300 | 200             |
| Styrene                                      | ND     |           | ug/l  | 500  | 140 | 200             |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 1000 | 200 | 200             |
| Acetone                                      | ND     |           | ug/l  | 1000 | 290 | 200             |
| Carbon disulfide                             | ND     |           | ug/l  | 1000 | 200 | 200             |
| 2-Butanone                                   | ND     |           | ug/l  | 1000 | 390 | 200             |
| Vinyl acetate                                | ND     |           | ug/l  | 1000 | 200 | 200             |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 1000 | 200 | 200             |
| 2-Hexanone                                   | ND     |           | ug/l  | 1000 | 200 | 200             |
| Bromochloromethane                           | ND     |           | ug/l  | 500  | 140 | 200             |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 500  | 140 | 200             |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 400  | 130 | 200             |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 500  | 140 | 200             |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 500  | 140 | 200             |
| Bromobenzene                                 | ND     |           | ug/l  | 500  | 140 | 200             |
| n-Butylbenzene                               | ND     |           | ug/l  | 500  | 140 | 200             |
| sec-Butylbenzene                             | ND     |           | ug/l  | 500  | 140 | 200             |
| tert-Butylbenzene                            | ND     |           | ug/l  | 500  | 140 | 200             |
| o-Chlorotoluene                              | ND     |           | ug/l  | 500  | 140 | 200             |
| p-Chlorotoluene                              | ND     |           | ug/l  | 500  | 140 | 200             |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 500  | 140 | 200             |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 500  | 140 | 200             |
| Isopropylbenzene                             | ND     |           | ug/l  | 500  | 140 | 200             |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 500  | 140 | 200             |
| Naphthalene                                  | 550    |           | ug/l  | 500  | 140 | 200             |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

**SAMPLE RESULTS**

**Lab ID:** L1815666-07      D  
**Client ID:** DUP01\_050218  
**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY

**Date Collected:** 05/02/18 12:30  
**Date Received:** 05/02/18  
**Field Prep:** Field Filtered (Dissolved Metals)

**Sample Depth:**

| Parameter                                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |       |       |                 |
| n-Propylbenzene                              | ND     |           | ug/l  | 500   | 140   | 200             |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 500   | 140   | 200             |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 500   | 140   | 200             |
| 1,3,5-Trimethylbenzene                       | 390    | J         | ug/l  | 500   | 140   | 200             |
| 1,2,4-Trimethylbenzene                       | 1200   |           | ug/l  | 500   | 140   | 200             |
| 1,4-Dioxane                                  | ND     |           | ug/l  | 50000 | 12000 | 200             |
| p-Diethylbenzene                             | ND     |           | ug/l  | 400   | 140   | 200             |
| p-Ethyltoluene                               | 950    |           | ug/l  | 400   | 140   | 200             |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 400   | 110   | 200             |
| Ethyl ether                                  | ND     |           | ug/l  | 500   | 140   | 200             |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 500   | 140   | 200             |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 102        |           | 70-130              |
| Toluene-d8            | 97         |           | 70-130              |
| 4-Bromofluorobenzene  | 95         |           | 70-130              |
| Dibromofluoromethane  | 98         |           | 70-130              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-08  
 Client ID: TRIP BLANK  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 00:00  
 Date Received: 05/02/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/04/18 11:06  
 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:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-08**Date Collected:** 05/02/18 00:00**Client ID:** TRIP BLANK**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, 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                                      | 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:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

**SAMPLE RESULTS**

**Lab ID:** L1815666-08  
**Client ID:** TRIP BLANK  
**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY

**Date Collected:** 05/02/18 00:00  
**Date Received:** 05/02/18  
**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 | 103        |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 106        |           | 70-130              |

Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/04/18 10:38  
 Analyst: PK

| Parameter                                                                         | Result | Qualifier | Units | RL   | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1112965-5 |        |           |       |      |      |
| 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: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/04/18 10:38  
 Analyst: PK

| Parameter                                                                         | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1112965-5 |        |           |       |     |      |
| 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: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/04/18 10:38  
 Analyst: PK

| Parameter                                                                         | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1112965-5 |        |           |       |     |      |
| 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 | 100       |           | 70-130              |
| Toluene-d8            | 96        |           | 70-130              |
| 4-Bromofluorobenzene  | 98        |           | 70-130              |
| Dibromofluoromethane  | 105       |           | 70-130              |

Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/05/18 11:02  
 Analyst: MKS

| Parameter                                                                               | Result | Qualifier | Units | RL   | MDL  |
|-----------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07 Batch: WG1113111-5 |        |           |       |      |      |
| 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: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/05/18 11:02  
 Analyst: MKS

| Parameter                                                                               | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07 Batch: WG1113111-5 |        |           |       |     |      |
| 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: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/05/18 11:02  
 Analyst: MKS

| Parameter                                                                               | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07 Batch: WG1113111-5 |        |           |       |     |      |
| 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<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 106       |           | 70-130                 |
| Toluene-d8            | 97        |           | 70-130                 |
| 4-Bromofluorobenzene  | 94        |           | 70-130                 |
| Dibromofluoromethane  | 101       |           | 70-130                 |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C

Analytical Date: 05/07/18 06:01

Analyst: MM

TCLP/SPLP Extraction Date: 05/05/18 03:14

Extraction Date: 05/05/18 03:14

| Parameter                                                                         | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 06 Batch: WG1113191-5 |        |           |       |     |      |
| Chloroform                                                                        | ND     |           | ug/l  | 7.5 | 2.2  |
| Carbon tetrachloride                                                              | ND     |           | ug/l  | 5.0 | 1.3  |
| Tetrachloroethene                                                                 | ND     |           | ug/l  | 5.0 | 1.8  |
| Chlorobenzene                                                                     | ND     |           | ug/l  | 5.0 | 1.8  |
| 1,2-Dichloroethane                                                                | ND     |           | ug/l  | 5.0 | 1.3  |
| Benzene                                                                           | ND     |           | ug/l  | 5.0 | 1.6  |
| Vinyl chloride                                                                    | ND     |           | ug/l  | 10  | 0.71 |
| 1,1-Dichloroethene                                                                | ND     |           | ug/l  | 5.0 | 1.7  |
| Trichloroethene                                                                   | ND     |           | ug/l  | 5.0 | 1.8  |
| 1,4-Dichlorobenzene                                                               | ND     |           | ug/l  | 25  | 1.9  |
| 2-Butanone                                                                        | ND     |           | ug/l  | 50  | 19.  |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 106       |           | 70-130                 |
| Toluene-d8            | 87        |           | 70-130                 |
| 4-Bromofluorobenzene  | 108       |           | 70-130                 |
| dibromofluoromethane  | 110       |           | 70-130                 |

Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/07/18 10:01  
 Analyst: KD

| Parameter                                                                         | Result | Qualifier | Units | RL   | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1113665-5 |        |           |       |      |      |
| 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: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/07/18 10:01  
 Analyst: KD

| Parameter                                                                         | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1113665-5 |        |           |       |     |      |
| 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: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/07/18 10:01  
 Analyst: KD

| Parameter                                                                         | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1113665-5 |        |           |       |     |      |
| 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<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 115       |           | 70-130                 |
| Toluene-d8            | 99        |           | 70-130                 |
| 4-Bromofluorobenzene  | 113       |           | 70-130                 |
| Dibromofluoromethane  | 92        |           | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1112965-3 WG1112965-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                   | 92               |      | 89                |      | 70-130              | 3   |      | 20            |
| 1,1-Dichloroethane                                                                                   | 95               |      | 91                |      | 70-130              | 4   |      | 20            |
| Chloroform                                                                                           | 96               |      | 93                |      | 70-130              | 3   |      | 20            |
| Carbon tetrachloride                                                                                 | 110              |      | 100               |      | 63-132              | 10  |      | 20            |
| 1,2-Dichloropropane                                                                                  | 92               |      | 90                |      | 70-130              | 2   |      | 20            |
| Dibromochloromethane                                                                                 | 86               |      | 85                |      | 63-130              | 1   |      | 20            |
| 1,1,2-Trichloroethane                                                                                | 84               |      | 82                |      | 70-130              | 2   |      | 20            |
| Tetrachloroethene                                                                                    | 96               |      | 90                |      | 70-130              | 6   |      | 20            |
| Chlorobenzene                                                                                        | 91               |      | 87                |      | 75-130              | 4   |      | 20            |
| Trichlorofluoromethane                                                                               | 110              |      | 100               |      | 62-150              | 10  |      | 20            |
| 1,2-Dichloroethane                                                                                   | 92               |      | 91                |      | 70-130              | 1   |      | 20            |
| 1,1,1-Trichloroethane                                                                                | 100              |      | 96                |      | 67-130              | 4   |      | 20            |
| Bromodichloromethane                                                                                 | 94               |      | 91                |      | 67-130              | 3   |      | 20            |
| trans-1,3-Dichloropropene                                                                            | 84               |      | 84                |      | 70-130              | 0   |      | 20            |
| cis-1,3-Dichloropropene                                                                              | 91               |      | 89                |      | 70-130              | 2   |      | 20            |
| 1,1-Dichloropropene                                                                                  | 100              |      | 96                |      | 70-130              | 4   |      | 20            |
| Bromoform                                                                                            | 81               |      | 78                |      | 54-136              | 4   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                            | 75               |      | 75                |      | 67-130              | 0   |      | 20            |
| Benzene                                                                                              | 95               |      | 91                |      | 70-130              | 4   |      | 20            |
| Toluene                                                                                              | 93               |      | 87                |      | 70-130              | 7   |      | 20            |
| Ethylbenzene                                                                                         | 96               |      | 90                |      | 70-130              | 6   |      | 20            |
| Chloromethane                                                                                        | 98               |      | 91                |      | 64-130              | 7   |      | 20            |
| Bromomethane                                                                                         | 110              |      | 100               |      | 39-139              | 10  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1112965-3 WG1112965-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                       | 96               |      | 88                |      | 55-140              | 9   |      | 20            |
| Chloroethane                                                                                         | 120              |      | 120               |      | 55-138              | 0   |      | 20            |
| 1,1-Dichloroethene                                                                                   | 110              |      | 100               |      | 61-145              | 10  |      | 20            |
| trans-1,2-Dichloroethene                                                                             | 97               |      | 92                |      | 70-130              | 5   |      | 20            |
| Trichloroethene                                                                                      | 100              |      | 96                |      | 70-130              | 4   |      | 20            |
| 1,2-Dichlorobenzene                                                                                  | 87               |      | 84                |      | 70-130              | 4   |      | 20            |
| 1,3-Dichlorobenzene                                                                                  | 88               |      | 83                |      | 70-130              | 6   |      | 20            |
| 1,4-Dichlorobenzene                                                                                  | 87               |      | 83                |      | 70-130              | 5   |      | 20            |
| Methyl tert butyl ether                                                                              | 84               |      | 84                |      | 63-130              | 0   |      | 20            |
| p/m-Xylene                                                                                           | 100              |      | 95                |      | 70-130              | 5   |      | 20            |
| o-Xylene                                                                                             | 95               |      | 90                |      | 70-130              | 5   |      | 20            |
| cis-1,2-Dichloroethene                                                                               | 95               |      | 91                |      | 70-130              | 4   |      | 20            |
| Dibromomethane                                                                                       | 90               |      | 92                |      | 70-130              | 2   |      | 20            |
| 1,2,3-Trichloropropane                                                                               | 78               |      | 77                |      | 64-130              | 1   |      | 20            |
| Acrylonitrile                                                                                        | 87               |      | 88                |      | 70-130              | 1   |      | 20            |
| Styrene                                                                                              | 95               |      | 90                |      | 70-130              | 5   |      | 20            |
| Dichlorodifluoromethane                                                                              | 100              |      | 95                |      | 36-147              | 5   |      | 20            |
| Acetone                                                                                              | 110              |      | 110               |      | 58-148              | 0   |      | 20            |
| Carbon disulfide                                                                                     | 95               |      | 88                |      | 51-130              | 8   |      | 20            |
| 2-Butanone                                                                                           | 90               |      | 92                |      | 63-138              | 2   |      | 20            |
| Vinyl acetate                                                                                        | 87               |      | 87                |      | 70-130              | 0   |      | 20            |
| 4-Methyl-2-pentanone                                                                                 | 74               |      | 75                |      | 59-130              | 1   |      | 20            |
| 2-Hexanone                                                                                           | 72               |      | 71                |      | 57-130              | 1   |      | 20            |



# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1815666

Report Date: 05/09/18

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1112965-3 WG1112965-4 |                  |      |                   |      |                     |     |      |               |
| Bromochloromethane                                                                                   | 96               |      | 93                |      | 70-130              | 3   |      | 20            |
| 2,2-Dichloropropane                                                                                  | 110              |      | 100               |      | 63-133              | 10  |      | 20            |
| 1,2-Dibromoethane                                                                                    | 83               |      | 82                |      | 70-130              | 1   |      | 20            |
| 1,3-Dichloropropane                                                                                  | 83               |      | 80                |      | 70-130              | 4   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                            | 92               |      | 88                |      | 64-130              | 4   |      | 20            |
| Bromobenzene                                                                                         | 88               |      | 83                |      | 70-130              | 6   |      | 20            |
| n-Butylbenzene                                                                                       | 78               |      | 66                |      | 53-136              | 17  |      | 20            |
| sec-Butylbenzene                                                                                     | 90               |      | 80                |      | 70-130              | 12  |      | 20            |
| tert-Butylbenzene                                                                                    | 78               |      | 72                |      | 70-130              | 8   |      | 20            |
| o-Chlorotoluene                                                                                      | 91               |      | 85                |      | 70-130              | 7   |      | 20            |
| p-Chlorotoluene                                                                                      | 90               |      | 84                |      | 70-130              | 7   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                          | 68               |      | 68                |      | 41-144              | 0   |      | 20            |
| Hexachlorobutadiene                                                                                  | 98               |      | 90                |      | 63-130              | 9   |      | 20            |
| Isopropylbenzene                                                                                     | 94               |      | 87                |      | 70-130              | 8   |      | 20            |
| p-Isopropyltoluene                                                                                   | 84               |      | 73                |      | 70-130              | 14  |      | 20            |
| Naphthalene                                                                                          | 65               | Q    | 65                | Q    | 70-130              | 0   |      | 20            |
| n-Propylbenzene                                                                                      | 93               |      | 86                |      | 69-130              | 8   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                               | 81               |      | 80                |      | 70-130              | 1   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                               | 81               |      | 78                |      | 70-130              | 4   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                               | 90               |      | 83                |      | 64-130              | 8   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                               | 85               |      | 76                |      | 70-130              | 11  |      | 20            |
| 1,4-Dioxane                                                                                          | 94               |      | 92                |      | 56-162              | 2   |      | 20            |
| p-Diethylbenzene                                                                                     | 80               |      | 69                | Q    | 70-130              | 15  |      | 20            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1112965-3 WG1112965-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene                                                                                       | 91               |      | 84                |      | 70-130              | 8   |      | 20            |
| 1,2,4,5-Tetramethylbenzene                                                                           | 93               |      | 88                |      | 70-130              | 6   |      | 20            |
| Ethyl ether                                                                                          | 92               |      | 94                |      | 59-134              | 2   |      | 20            |
| trans-1,4-Dichloro-2-butene                                                                          | 74               |      | 71                |      | 70-130              | 4   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 99               |      | 100               |      | 70-130                 |
| Toluene-d8            | 97               |      | 97                |      | 70-130                 |
| 4-Bromofluorobenzene  | 98               |      | 98                |      | 70-130                 |
| Dibromofluoromethane  | 105              |      | 103               |      | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1113111-3 WG1113111-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                         | 90               |      | 94                |      | 70-130              | 4   |      | 20            |
| 1,1-Dichloroethane                                                                                         | 90               |      | 93                |      | 70-130              | 3   |      | 20            |
| Chloroform                                                                                                 | 92               |      | 94                |      | 70-130              | 2   |      | 20            |
| Carbon tetrachloride                                                                                       | 96               |      | 99                |      | 63-132              | 3   |      | 20            |
| 1,2-Dichloropropane                                                                                        | 87               |      | 91                |      | 70-130              | 4   |      | 20            |
| Dibromochloromethane                                                                                       | 90               |      | 94                |      | 63-130              | 4   |      | 20            |
| 1,1,2-Trichloroethane                                                                                      | 92               |      | 92                |      | 70-130              | 0   |      | 20            |
| Tetrachloroethene                                                                                          | 94               |      | 98                |      | 70-130              | 4   |      | 20            |
| Chlorobenzene                                                                                              | 90               |      | 93                |      | 75-130              | 3   |      | 20            |
| Trichlorofluoromethane                                                                                     | 120              |      | 120               |      | 62-150              | 0   |      | 20            |
| 1,2-Dichloroethane                                                                                         | 98               |      | 98                |      | 70-130              | 0   |      | 20            |
| 1,1,1-Trichloroethane                                                                                      | 98               |      | 100               |      | 67-130              | 2   |      | 20            |
| Bromodichloromethane                                                                                       | 93               |      | 96                |      | 67-130              | 3   |      | 20            |
| trans-1,3-Dichloropropene                                                                                  | 91               |      | 94                |      | 70-130              | 3   |      | 20            |
| cis-1,3-Dichloropropene                                                                                    | 90               |      | 93                |      | 70-130              | 3   |      | 20            |
| 1,1-Dichloropropene                                                                                        | 94               |      | 97                |      | 70-130              | 3   |      | 20            |
| Bromoform                                                                                                  | 93               |      | 94                |      | 54-136              | 1   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                                  | 88               |      | 90                |      | 67-130              | 2   |      | 20            |
| Benzene                                                                                                    | 90               |      | 93                |      | 70-130              | 3   |      | 20            |
| Toluene                                                                                                    | 88               |      | 92                |      | 70-130              | 4   |      | 20            |
| Ethylbenzene                                                                                               | 91               |      | 95                |      | 70-130              | 4   |      | 20            |
| Chloromethane                                                                                              | 93               |      | 100               |      | 64-130              | 7   |      | 20            |
| Bromomethane                                                                                               | 94               |      | 100               |      | 39-139              | 6   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1113111-3 WG1113111-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                             | 87               |      | 90                |      | 55-140              | 3   |      | 20            |
| Chloroethane                                                                                               | 90               |      | 100               |      | 55-138              | 11  |      | 20            |
| 1,1-Dichloroethene                                                                                         | 94               |      | 98                |      | 61-145              | 4   |      | 20            |
| trans-1,2-Dichloroethene                                                                                   | 88               |      | 93                |      | 70-130              | 6   |      | 20            |
| Trichloroethene                                                                                            | 97               |      | 100               |      | 70-130              | 3   |      | 20            |
| 1,2-Dichlorobenzene                                                                                        | 90               |      | 92                |      | 70-130              | 2   |      | 20            |
| 1,3-Dichlorobenzene                                                                                        | 91               |      | 92                |      | 70-130              | 1   |      | 20            |
| 1,4-Dichlorobenzene                                                                                        | 92               |      | 91                |      | 70-130              | 1   |      | 20            |
| Methyl tert butyl ether                                                                                    | 92               |      | 96                |      | 63-130              | 4   |      | 20            |
| p/m-Xylene                                                                                                 | 95               |      | 100               |      | 70-130              | 5   |      | 20            |
| o-Xylene                                                                                                   | 95               |      | 100               |      | 70-130              | 5   |      | 20            |
| cis-1,2-Dichloroethene                                                                                     | 87               |      | 89                |      | 70-130              | 2   |      | 20            |
| Dibromomethane                                                                                             | 89               |      | 92                |      | 70-130              | 3   |      | 20            |
| 1,2,3-Trichloropropane                                                                                     | 90               |      | 96                |      | 64-130              | 6   |      | 20            |
| Acrylonitrile                                                                                              | 90               |      | 95                |      | 70-130              | 5   |      | 20            |
| Styrene                                                                                                    | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Dichlorodifluoromethane                                                                                    | 110              |      | 120               |      | 36-147              | 9   |      | 20            |
| Acetone                                                                                                    | 120              |      | 100               |      | 58-148              | 18  |      | 20            |
| Carbon disulfide                                                                                           | 96               |      | 100               |      | 51-130              | 4   |      | 20            |
| 2-Butanone                                                                                                 | 98               |      | 93                |      | 63-138              | 5   |      | 20            |
| Vinyl acetate                                                                                              | 92               |      | 95                |      | 70-130              | 3   |      | 20            |
| 4-Methyl-2-pentanone                                                                                       | 86               |      | 94                |      | 59-130              | 9   |      | 20            |
| 2-Hexanone                                                                                                 | 85               |      | 88                |      | 57-130              | 3   |      | 20            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1113111-3 WG1113111-4 |                  |      |                   |      |                     |     |      |               |
| Bromochloromethane                                                                                         | 92               |      | 98                |      | 70-130              | 6   |      | 20            |
| 2,2-Dichloropropane                                                                                        | 100              |      | 100               |      | 63-133              | 0   |      | 20            |
| 1,2-Dibromoethane                                                                                          | 87               |      | 91                |      | 70-130              | 4   |      | 20            |
| 1,3-Dichloropropane                                                                                        | 88               |      | 89                |      | 70-130              | 1   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                                  | 92               |      | 95                |      | 64-130              | 3   |      | 20            |
| Bromobenzene                                                                                               | 89               |      | 90                |      | 70-130              | 1   |      | 20            |
| n-Butylbenzene                                                                                             | 96               |      | 99                |      | 53-136              | 3   |      | 20            |
| sec-Butylbenzene                                                                                           | 97               |      | 100               |      | 70-130              | 3   |      | 20            |
| tert-Butylbenzene                                                                                          | 96               |      | 97                |      | 70-130              | 1   |      | 20            |
| o-Chlorotoluene                                                                                            | 76               |      | 76                |      | 70-130              | 0   |      | 20            |
| p-Chlorotoluene                                                                                            | 91               |      | 90                |      | 70-130              | 1   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                                | 91               |      | 90                |      | 41-144              | 1   |      | 20            |
| Hexachlorobutadiene                                                                                        | 89               |      | 96                |      | 63-130              | 8   |      | 20            |
| Isopropylbenzene                                                                                           | 94               |      | 95                |      | 70-130              | 1   |      | 20            |
| p-Isopropyltoluene                                                                                         | 98               |      | 100               |      | 70-130              | 2   |      | 20            |
| Naphthalene                                                                                                | 86               |      | 90                |      | 70-130              | 5   |      | 20            |
| n-Propylbenzene                                                                                            | 95               |      | 97                |      | 69-130              | 2   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                                     | 90               |      | 92                |      | 70-130              | 2   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                     | 89               |      | 90                |      | 70-130              | 1   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                                     | 93               |      | 95                |      | 64-130              | 2   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                                     | 93               |      | 95                |      | 70-130              | 2   |      | 20            |
| 1,4-Dioxane                                                                                                | 104              |      | 98                |      | 56-162              | 6   |      | 20            |
| p-Diethylbenzene                                                                                           | 100              |      | 100               |      | 70-130              | 0   |      | 20            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1113111-3 WG1113111-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene                                                                                             | 99               |      | 100               |      | 70-130              | 1   |      | 20            |
| 1,2,4,5-Tetramethylbenzene                                                                                 | 97               |      | 99                |      | 70-130              | 2   |      | 20            |
| Ethyl ether                                                                                                | 90               |      | 94                |      | 59-134              | 4   |      | 20            |
| trans-1,4-Dichloro-2-butene                                                                                | 90               |      | 93                |      | 70-130              | 3   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 105              |      | 105               |      | 70-130                 |
| Toluene-d8            | 98               |      | 97                |      | 70-130                 |
| 4-Bromofluorobenzene  | 94               |      | 94                |      | 70-130                 |
| Dibromofluoromethane  | 105              |      | 104               |      | 70-130                 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 06 Batch: WG1113191-3 WG1113191-4 |                  |      |                   |      |                     |     |      |               |
| Chloroform                                                                                           | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Carbon tetrachloride                                                                                 | 110              |      | 100               |      | 63-132              | 10  |      | 20            |
| Tetrachloroethene                                                                                    | 85               |      | 83                |      | 70-130              | 2   |      | 20            |
| Chlorobenzene                                                                                        | 86               |      | 83                |      | 75-130              | 4   |      | 25            |
| 1,2-Dichloroethane                                                                                   | 100              |      | 96                |      | 70-130              | 4   |      | 20            |
| Benzene                                                                                              | 98               |      | 94                |      | 70-130              | 4   |      | 25            |
| Vinyl chloride                                                                                       | 85               |      | 83                |      | 55-140              | 2   |      | 20            |
| 1,1-Dichloroethene                                                                                   | 97               |      | 93                |      | 61-145              | 4   |      | 25            |
| Trichloroethene                                                                                      | 100              |      | 100               |      | 70-130              | 0   |      | 25            |
| 1,4-Dichlorobenzene                                                                                  | 78               |      | 75                |      | 70-130              | 4   |      | 20            |
| 2-Butanone                                                                                           | 83               |      | 72                |      | 63-138              | 14  |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 102              |      | 104               |      | 70-130                 |
| Toluene-d8            | 90               |      | 90                |      | 70-130                 |
| 4-Bromofluorobenzene  | 102              |      | 103               |      | 70-130                 |
| dibromofluoromethane  | 107              |      | 109               |      | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1113665-3 WG1113665-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                   | 86               |      | 84                |      | 70-130              | 2   |      | 20            |
| 1,1-Dichloroethane                                                                                   | 96               |      | 98                |      | 70-130              | 2   |      | 20            |
| Chloroform                                                                                           | 95               |      | 91                |      | 70-130              | 4   |      | 20            |
| Carbon tetrachloride                                                                                 | 98               |      | 94                |      | 63-132              | 4   |      | 20            |
| 1,2-Dichloropropane                                                                                  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Dibromochloromethane                                                                                 | 100              |      | 100               |      | 63-130              | 0   |      | 20            |
| 1,1,2-Trichloroethane                                                                                | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| Tetrachloroethene                                                                                    | 88               |      | 98                |      | 70-130              | 11  |      | 20            |
| Chlorobenzene                                                                                        | 95               |      | 96                |      | 75-130              | 1   |      | 20            |
| Trichlorofluoromethane                                                                               | 100              |      | 100               |      | 62-150              | 0   |      | 20            |
| 1,2-Dichloroethane                                                                                   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,1,1-Trichloroethane                                                                                | 97               |      | 100               |      | 67-130              | 3   |      | 20            |
| Bromodichloromethane                                                                                 | 98               |      | 100               |      | 67-130              | 2   |      | 20            |
| trans-1,3-Dichloropropene                                                                            | 110              |      | 120               |      | 70-130              | 9   |      | 20            |
| cis-1,3-Dichloropropene                                                                              | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,1-Dichloropropene                                                                                  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Bromoform                                                                                            | 98               |      | 98                |      | 54-136              | 0   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                            | 120              |      | 120               |      | 67-130              | 0   |      | 20            |
| Benzene                                                                                              | 96               |      | 93                |      | 70-130              | 3   |      | 20            |
| Toluene                                                                                              | 90               |      | 100               |      | 70-130              | 11  |      | 20            |
| Ethylbenzene                                                                                         | 95               |      | 98                |      | 70-130              | 3   |      | 20            |
| Chloromethane                                                                                        | 110              |      | 110               |      | 64-130              | 0   |      | 20            |
| Bromomethane                                                                                         | 60               |      | 60                |      | 39-139              | 0   |      | 20            |



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1113665-3 WG1113665-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                       | 100              |      | 110               |      | 55-140              | 10  |      | 20            |
| Chloroethane                                                                                         | 59               |      | 62                |      | 55-138              | 5   |      | 20            |
| 1,1-Dichloroethene                                                                                   | 98               |      | 92                |      | 61-145              | 6   |      | 20            |
| trans-1,2-Dichloroethene                                                                             | 90               |      | 88                |      | 70-130              | 2   |      | 20            |
| Trichloroethene                                                                                      | 93               |      | 94                |      | 70-130              | 1   |      | 20            |
| 1,2-Dichlorobenzene                                                                                  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,3-Dichlorobenzene                                                                                  | 99               |      | 99                |      | 70-130              | 0   |      | 20            |
| 1,4-Dichlorobenzene                                                                                  | 99               |      | 99                |      | 70-130              | 0   |      | 20            |
| Methyl tert butyl ether                                                                              | 100              |      | 100               |      | 63-130              | 0   |      | 20            |
| p/m-Xylene                                                                                           | 90               |      | 95                |      | 70-130              | 5   |      | 20            |
| o-Xylene                                                                                             | 90               |      | 95                |      | 70-130              | 5   |      | 20            |
| cis-1,2-Dichloroethene                                                                               | 90               |      | 91                |      | 70-130              | 1   |      | 20            |
| Dibromomethane                                                                                       | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| 1,2,3-Trichloropropane                                                                               | 120              |      | 120               |      | 64-130              | 0   |      | 20            |
| Acrylonitrile                                                                                        | 120              |      | 120               |      | 70-130              | 0   |      | 20            |
| Styrene                                                                                              | 90               |      | 95                |      | 70-130              | 5   |      | 20            |
| Dichlorodifluoromethane                                                                              | 120              |      | 120               |      | 36-147              | 0   |      | 20            |
| Acetone                                                                                              | 110              |      | 120               |      | 58-148              | 9   |      | 20            |
| Carbon disulfide                                                                                     | 100              |      | 94                |      | 51-130              | 6   |      | 20            |
| 2-Butanone                                                                                           | 120              |      | 120               |      | 63-138              | 0   |      | 20            |
| Vinyl acetate                                                                                        | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 4-Methyl-2-pentanone                                                                                 | 120              |      | 120               |      | 59-130              | 0   |      | 20            |
| 2-Hexanone                                                                                           | 140              | Q    | 140               | Q    | 57-130              | 0   |      | 20            |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1815666

Report Date: 05/09/18

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1113665-3 WG1113665-4 |                  |      |                   |      |                     |     |      |               |
| Bromochloromethane                                                                                   | 94               |      | 93                |      | 70-130              | 1   |      | 20            |
| 2,2-Dichloropropane                                                                                  | 110              |      | 110               |      | 63-133              | 0   |      | 20            |
| 1,2-Dibromoethane                                                                                    | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,3-Dichloropropane                                                                                  | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                            | 100              |      | 100               |      | 64-130              | 0   |      | 20            |
| Bromobenzene                                                                                         | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| n-Butylbenzene                                                                                       | 100              |      | 100               |      | 53-136              | 0   |      | 20            |
| sec-Butylbenzene                                                                                     | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| tert-Butylbenzene                                                                                    | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| o-Chlorotoluene                                                                                      | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| p-Chlorotoluene                                                                                      | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                          | 120              |      | 120               |      | 41-144              | 0   |      | 20            |
| Hexachlorobutadiene                                                                                  | 110              |      | 120               |      | 63-130              | 9   |      | 20            |
| Isopropylbenzene                                                                                     | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| p-Isopropyltoluene                                                                                   | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| Naphthalene                                                                                          | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| n-Propylbenzene                                                                                      | 100              |      | 100               |      | 69-130              | 0   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                               | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                               | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                               | 100              |      | 100               |      | 64-130              | 0   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                               | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| 1,4-Dioxane                                                                                          | 164              | Q    | 156               |      | 56-162              | 5   |      | 20            |
| p-Diethylbenzene                                                                                     | 100              |      | 110               |      | 70-130              | 10  |      | 20            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| <b>Parameter</b>                                                                                     | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1113665-3 WG1113665-4 |                          |             |                           |             |                             |            |             |                       |
| p-Ethyltoluene                                                                                       | 100                      |             | 100                       |             | 70-130                      | 0          |             | 20                    |
| 1,2,4,5-Tetramethylbenzene                                                                           | 110                      |             | 110                       |             | 70-130                      | 0          |             | 20                    |
| Ethyl ether                                                                                          | 100                      |             | 100                       |             | 59-134                      | 0          |             | 20                    |
| trans-1,4-Dichloro-2-butene                                                                          | 120                      |             | 120                       |             | 70-130                      | 0          |             | 20                    |

| <b>Surrogate</b>      | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|-----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,2-Dichloroethane-d4 | 121                      |             | 115                       |             | 70-130                         |
| Toluene-d8            | 94                       |             | 106                       |             | 70-130                         |
| 4-Bromofluorobenzene  | 112                      |             | 112                       |             | 70-130                         |
| Dibromofluoromethane  | 96                       |             | 98                        |             | 70-130                         |

# SEMIVOLATILES

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-01  
 Client ID: MW02\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:15  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 05/07/18 09:53  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:22

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.66 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.67 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.69 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.71 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 1.4  | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 7.8  | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.75 | 1               |
| NDPA/DPA                                         | ND     |           | ug/l  | 2.0 | 0.64 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.70 | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.91 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.69 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.65 | 1               |
| Biphenyl                                         | 0.89   | J         | ug/l  | 2.0 | 0.76 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.3  | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-01**Date Collected:** 05/02/18 12:15**Client ID:** MW02\_050218**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**Field Prep:** Field Filtered (Dissolved Metals)**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.66 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.67 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.85 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.68 | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.63 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| 2,4-Dimethylphenol                               | 8.5    |           | ug/l  | 5.0 | 1.6  | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.5  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.8  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 5.5  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 2.1  | 1               |
| Phenol                                           | 19.    |           | ug/l  | 5.0 | 1.9  | 1               |
| 2-Methylphenol                                   | 14.    |           | ug/l  | 5.0 | 1.0  | 1               |
| 3-Methylphenol/4-Methylphenol                    | 67.    |           | ug/l  | 5.0 | 1.1  | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| Benzoic Acid                                     | 38.    | J         | ug/l  | 50  | 13.  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.72 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.63 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 52         |           | 21-120              |
| Phenol-d6            | 37         |           | 10-120              |
| Nitrobenzene-d5      | 92         |           | 23-120              |
| 2-Fluorobiphenyl     | 85         |           | 15-120              |
| 2,4,6-Tribromophenol | 92         |           | 10-120              |
| 4-Terphenyl-d14      | 98         |           | 41-149              |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-01 D  
 Client ID: MW02\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:15  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 05/05/18 19:41  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:21

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | ND     |           | ug/l  | 0.50 | 0.18 | 5               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 1.0  | 0.18 | 5               |
| Fluoranthene                                         | ND     |           | ug/l  | 0.50 | 0.19 | 5               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 2.5  | 0.18 | 5               |
| Naphthalene                                          | 310    |           | ug/l  | 0.50 | 0.22 | 5               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 0.50 | 0.09 | 5               |
| Benzo(a)pyrene                                       | ND     |           | ug/l  | 0.50 | 0.20 | 5               |
| Benzo(b)fluoranthene                                 | ND     |           | ug/l  | 0.50 | 0.08 | 5               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.50 | 0.21 | 5               |
| Chrysene                                             | ND     |           | ug/l  | 0.50 | 0.19 | 5               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.50 | 0.18 | 5               |
| Anthracene                                           | ND     |           | ug/l  | 0.50 | 0.18 | 5               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.50 | 0.21 | 5               |
| Fluorene                                             | ND     |           | ug/l  | 0.50 | 0.18 | 5               |
| Phenanthrene                                         | ND     |           | ug/l  | 0.50 | 0.08 | 5               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.50 | 0.20 | 5               |
| Indeno(1,2,3-cd)pyrene                               | ND     |           | ug/l  | 0.50 | 0.20 | 5               |
| Pyrene                                               | ND     |           | ug/l  | 0.50 | 0.20 | 5               |
| 2-Methylnaphthalene                                  | 77     |           | ug/l  | 0.50 | 0.22 | 5               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 4.0  | 1.1  | 5               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 4.0  | 0.16 | 5               |
| Hexachloroethane                                     | ND     |           | ug/l  | 4.0  | 0.15 | 5               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-01 D

Date Collected: 05/02/18 12:15

Client ID: MW02\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Field Prep: Field Filtered (Dissolved Metals)

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       | 54         |           | 21-120              |
| Phenol-d6            | 29         |           | 10-120              |
| Nitrobenzene-d5      | 74         |           | 23-120              |
| 2-Fluorobiphenyl     | 71         |           | 15-120              |
| 2,4,6-Tribromophenol | 86         |           | 10-120              |
| 4-Terphenyl-d14      | 89         |           | 41-149              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-02  
 Client ID: MW03\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 09:30  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 05/07/18 10:19  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:22

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.66 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.67 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.69 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.71 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 1.4  | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 7.8  | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.75 | 1               |
| NDPA/DPA                                         | ND     |           | ug/l  | 2.0 | 0.64 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.70 | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.91 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.69 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.65 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.76 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.3  | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-02**Date Collected:** 05/02/18 09:30**Client ID:** MW03\_050218**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**Field Prep:** Field Filtered (Dissolved Metals)**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.66 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.67 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.85 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.68 | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.63 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 1.6  | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.5  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.8  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 5.5  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 2.1  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 1.9  | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 13.  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.72 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.63 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 42         |           | 21-120              |
| Phenol-d6            | 31         |           | 10-120              |
| Nitrobenzene-d5      | 85         |           | 23-120              |
| 2-Fluorobiphenyl     | 82         |           | 15-120              |
| 2,4,6-Tribromophenol | 90         |           | 10-120              |
| 4-Terphenyl-d14      | 99         |           | 41-149              |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-02  
 Client ID: MW03\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 09:30  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 05/04/18 18:03  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:21

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.04 | 1               |
| Fluoranthene                                         | 0.04   | J         | ug/l  | 0.10 | 0.04 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.04 | 1               |
| Naphthalene                                          | 0.07   | J         | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(a)pyrene                                       | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(b)fluoranthene                                 | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Chrysene                                             | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Anthracene                                           | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Fluorene                                             | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Phenanthrene                                         | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Indeno(1,2,3-cd)pyrene                               | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Pyrene                                               | 0.04   | J         | ug/l  | 0.10 | 0.04 | 1               |
| 2-Methylnaphthalene                                  | 0.05   | J         | ug/l  | 0.10 | 0.05 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.22 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.03 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.03 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-02**Date Collected:** 05/02/18 09:30**Client ID:** MW03\_050218**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**Field Prep:** Field Filtered (Dissolved Metals)**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       | 25         |           | 21-120              |
| Phenol-d6            | 18         |           | 10-120              |
| Nitrobenzene-d5      | 50         |           | 23-120              |
| 2-Fluorobiphenyl     | 46         |           | 15-120              |
| 2,4,6-Tribromophenol | 66         |           | 10-120              |
| 4-Terphenyl-d14      | 56         |           | 41-149              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-03  
 Client ID: MW04\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 08:20  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 05/07/18 10:45  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:22

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.66 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.67 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.69 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.71 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 1.4  | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 7.8  | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.75 | 1               |
| NDPA/DPA                                         | ND     |           | ug/l  | 2.0 | 0.64 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.70 | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.91 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.69 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.65 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.76 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.3  | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-03**Date Collected:** 05/02/18 08:20**Client ID:** MW04\_050218**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**Field Prep:** Field Filtered (Dissolved Metals)**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Dibenzofuran                                     | 0.68   | J         | ug/l  | 2.0 | 0.66 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.67 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.85 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.68 | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.63 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 1.6  | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.5  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.8  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 5.5  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 2.1  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 1.9  | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 13.  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.72 | 1               |
| Carbazole                                        | 0.82   | J         | ug/l  | 2.0 | 0.63 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 48         |           | 21-120              |
| Phenol-d6            | 37         |           | 10-120              |
| Nitrobenzene-d5      | 87         |           | 23-120              |
| 2-Fluorobiphenyl     | 84         |           | 15-120              |
| 2,4,6-Tribromophenol | 77         |           | 10-120              |
| 4-Terphenyl-d14      | 99         |           | 41-149              |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-03  
 Client ID: MW04\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 08:20  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 05/04/18 18:30  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:21

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | 0.58   |           | ug/l  | 0.10 | 0.04 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.04 | 1               |
| Fluoranthene                                         | 0.56   |           | ug/l  | 0.10 | 0.04 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.04 | 1               |
| Naphthalene                                          | 0.30   |           | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(a)anthracene                                   | 0.11   |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(a)pyrene                                       | 0.09   | J         | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(b)fluoranthene                                 | 0.14   |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(k)fluoranthene                                 | 0.06   | J         | ug/l  | 0.10 | 0.04 | 1               |
| Chrysene                                             | 0.11   |           | ug/l  | 0.10 | 0.04 | 1               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Anthracene                                           | 0.23   |           | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Fluorene                                             | 0.50   |           | ug/l  | 0.10 | 0.04 | 1               |
| Phenanthrene                                         | 1.1    |           | ug/l  | 0.10 | 0.02 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Indeno(1,2,3-cd)pyrene                               | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Pyrene                                               | 0.41   |           | ug/l  | 0.10 | 0.04 | 1               |
| 2-Methylnaphthalene                                  | 0.09   | J         | ug/l  | 0.10 | 0.05 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.22 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.03 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.03 | 1               |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

**SAMPLE RESULTS**

**Lab ID:** L1815666-03  
**Client ID:** MW04\_050218  
**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY

**Date Collected:** 05/02/18 08:20  
**Date Received:** 05/02/18  
**Field Prep:** Field Filtered (Dissolved Metals)

**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       | 29         |           | 21-120              |
| Phenol-d6            | 22         |           | 10-120              |
| Nitrobenzene-d5      | 52         |           | 23-120              |
| 2-Fluorobiphenyl     | 48         |           | 15-120              |
| 2,4,6-Tribromophenol | 59         |           | 10-120              |
| 4-Terphenyl-d14      | 56         |           | 41-149              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-04  
 Client ID: MW06\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 14:00  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 05/07/18 11:11  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:22

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.66 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.67 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.69 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.71 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 1.4  | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 7.8  | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.75 | 1               |
| NDPA/DPA                                         | ND     |           | ug/l  | 2.0 | 0.64 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.70 | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.91 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.69 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.65 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.76 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.3  | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-04**Date Collected:** 05/02/18 14:00**Client ID:** MW06\_050218**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**Field Prep:** Field Filtered (Dissolved Metals)**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.66 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.67 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.85 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.68 | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.63 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| 2,4-Dimethylphenol                               | 4.6    | J         | ug/l  | 5.0 | 1.6  | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.5  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.8  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 5.5  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 2.1  | 1               |
| Phenol                                           | 58.    |           | ug/l  | 5.0 | 1.9  | 1               |
| 2-Methylphenol                                   | 4.1    | J         | ug/l  | 5.0 | 1.0  | 1               |
| 3-Methylphenol/4-Methylphenol                    | 27.    |           | ug/l  | 5.0 | 1.1  | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| Benzoic Acid                                     | 33.    | J         | ug/l  | 50  | 13.  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.72 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.63 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 74         |           | 21-120              |
| Phenol-d6            | 57         |           | 10-120              |
| Nitrobenzene-d5      | 94         |           | 23-120              |
| 2-Fluorobiphenyl     | 84         |           | 15-120              |
| 2,4,6-Tribromophenol | 81         |           | 10-120              |
| 4-Terphenyl-d14      | 92         |           | 41-149              |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-04 D  
 Client ID: MW06\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 14:00  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 05/05/18 20:08  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:21

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | 0.10   | J         | ug/l  | 0.20 | 0.07 | 2               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.40 | 0.07 | 2               |
| Fluoranthene                                         | ND     |           | ug/l  | 0.20 | 0.08 | 2               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 1.0  | 0.07 | 2               |
| Naphthalene                                          | 140    |           | ug/l  | 0.20 | 0.09 | 2               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 0.20 | 0.04 | 2               |
| Benzo(a)pyrene                                       | ND     |           | ug/l  | 0.20 | 0.08 | 2               |
| Benzo(b)fluoranthene                                 | ND     |           | ug/l  | 0.20 | 0.03 | 2               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.20 | 0.08 | 2               |
| Chrysene                                             | ND     |           | ug/l  | 0.20 | 0.08 | 2               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.20 | 0.07 | 2               |
| Anthracene                                           | ND     |           | ug/l  | 0.20 | 0.07 | 2               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.20 | 0.08 | 2               |
| Fluorene                                             | 0.11   | J         | ug/l  | 0.20 | 0.07 | 2               |
| Phenanthrene                                         | 0.17   | J         | ug/l  | 0.20 | 0.03 | 2               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.20 | 0.08 | 2               |
| Indeno(1,2,3-cd)pyrene                               | ND     |           | ug/l  | 0.20 | 0.08 | 2               |
| Pyrene                                               | ND     |           | ug/l  | 0.20 | 0.08 | 2               |
| 2-Methylnaphthalene                                  | 48     |           | ug/l  | 0.20 | 0.09 | 2               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 1.6  | 0.44 | 2               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 1.6  | 0.06 | 2               |
| Hexachloroethane                                     | ND     |           | ug/l  | 1.6  | 0.06 | 2               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-04 D

Date Collected: 05/02/18 14:00

Client ID: MW06\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Field Prep: Field Filtered (Dissolved Metals)

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       | 49         |           | 21-120              |
| Phenol-d6            | 40         |           | 10-120              |
| Nitrobenzene-d5      | 61         |           | 23-120              |
| 2-Fluorobiphenyl     | 58         |           | 15-120              |
| 2,4,6-Tribromophenol | 48         |           | 10-120              |
| 4-Terphenyl-d14      | 63         |           | 41-149              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-05  
 Client ID: FIELD BLANK  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 10:00  
 Date Received: 05/02/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 05/07/18 14:37  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:22

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.66 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.67 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.69 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.71 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 1.4  | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 7.8  | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.75 | 1               |
| NDPA/DPA                                         | ND     |           | ug/l  | 2.0 | 0.64 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.70 | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.91 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.69 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.65 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.76 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.3  | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-05**Date Collected:** 05/02/18 10:00**Client ID:** FIELD BLANK**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**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 | 0.66 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.67 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.85 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.68 | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.63 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 1.6  | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.5  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.8  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 5.5  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 2.1  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 1.9  | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 13.  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.72 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.63 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 39         |           | 21-120              |
| Phenol-d6            | 28         |           | 10-120              |
| Nitrobenzene-d5      | 72         |           | 23-120              |
| 2-Fluorobiphenyl     | 75         |           | 15-120              |
| 2,4,6-Tribromophenol | 82         |           | 10-120              |
| 4-Terphenyl-d14      | 96         |           | 41-149              |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-05  
 Client ID: FIELD BLANK  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 10:00  
 Date Received: 05/02/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 05/04/18 19:24  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:21

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.04 | 1               |
| Fluoranthene                                         | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.04 | 1               |
| Naphthalene                                          | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(a)pyrene                                       | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(b)fluoranthene                                 | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Chrysene                                             | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Anthracene                                           | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Fluorene                                             | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Phenanthrene                                         | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Indeno(1,2,3-cd)pyrene                               | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| Pyrene                                               | ND     |           | ug/l  | 0.10 | 0.04 | 1               |
| 2-Methylnaphthalene                                  | ND     |           | ug/l  | 0.10 | 0.05 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.22 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.03 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.03 | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-05**Date Collected:** 05/02/18 10:00**Client ID:** FIELD BLANK**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**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       | 23         |           | 21-120              |
| Phenol-d6            | 18         |           | 10-120              |
| Nitrobenzene-d5      | 45         |           | 23-120              |
| 2-Fluorobiphenyl     | 44         |           | 15-120              |
| 2,4,6-Tribromophenol | 60         |           | 10-120              |
| 4-Terphenyl-d14      | 55         |           | 41-149              |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-07  
 Client ID: DUP01\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:30  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 05/07/18 15:03  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:22

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.66 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.67 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.69 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.71 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 1.4  | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.73 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 7.8  | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.75 | 1               |
| NDPA/DPA                                         | ND     |           | ug/l  | 2.0 | 0.64 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.70 | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.91 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.69 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.65 | 1               |
| Biphenyl                                         | 0.88   | J         | ug/l  | 2.0 | 0.76 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.63 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 1.3  | 1               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-07**Date Collected:** 05/02/18 12:30**Client ID:** DUP01\_050218**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**Field Prep:** Field Filtered (Dissolved Metals)**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.66 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.67 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.85 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.68 | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/l  | 2.0 | 0.62 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.63 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| 2,4-Dimethylphenol                               | 7.9    |           | ug/l  | 5.0 | 1.6  | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.5  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.8  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 5.5  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 2.1  | 1               |
| Phenol                                           | 16.    |           | ug/l  | 5.0 | 1.9  | 1               |
| 2-Methylphenol                                   | 11.    |           | ug/l  | 5.0 | 1.0  | 1               |
| 3-Methylphenol/4-Methylphenol                    | 61.    |           | ug/l  | 5.0 | 1.1  | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| Benzoic Acid                                     | 37.    | J         | ug/l  | 50  | 13.  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.72 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.63 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 45         |           | 21-120              |
| Phenol-d6            | 33         |           | 10-120              |
| Nitrobenzene-d5      | 85         |           | 23-120              |
| 2-Fluorobiphenyl     | 80         |           | 15-120              |
| 2,4,6-Tribromophenol | 83         |           | 10-120              |
| 4-Terphenyl-d14      | 91         |           | 41-149              |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-07 D  
 Client ID: DUP01\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:30  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 05/05/18 20:35  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:21

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | ND     |           | ug/l  | 0.50 | 0.18 | 5               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 1.0  | 0.18 | 5               |
| Fluoranthene                                         | ND     |           | ug/l  | 0.50 | 0.19 | 5               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 2.5  | 0.18 | 5               |
| Naphthalene                                          | 290    |           | ug/l  | 0.50 | 0.22 | 5               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 0.50 | 0.09 | 5               |
| Benzo(a)pyrene                                       | ND     |           | ug/l  | 0.50 | 0.20 | 5               |
| Benzo(b)fluoranthene                                 | ND     |           | ug/l  | 0.50 | 0.08 | 5               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.50 | 0.21 | 5               |
| Chrysene                                             | ND     |           | ug/l  | 0.50 | 0.19 | 5               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.50 | 0.18 | 5               |
| Anthracene                                           | ND     |           | ug/l  | 0.50 | 0.18 | 5               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.50 | 0.21 | 5               |
| Fluorene                                             | ND     |           | ug/l  | 0.50 | 0.18 | 5               |
| Phenanthrene                                         | ND     |           | ug/l  | 0.50 | 0.08 | 5               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.50 | 0.20 | 5               |
| Indeno(1,2,3-cd)pyrene                               | ND     |           | ug/l  | 0.50 | 0.20 | 5               |
| Pyrene                                               | ND     |           | ug/l  | 0.50 | 0.20 | 5               |
| 2-Methylnaphthalene                                  | 74     |           | ug/l  | 0.50 | 0.22 | 5               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 4.0  | 1.1  | 5               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 4.0  | 0.16 | 5               |
| Hexachloroethane                                     | ND     |           | ug/l  | 4.0  | 0.15 | 5               |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-07 D

Date Collected: 05/02/18 12:30

Client ID: DUP01\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Field Prep: Field Filtered (Dissolved Metals)

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       | 47         |           | 21-120              |
| Phenol-d6            | 25         |           | 10-120              |
| Nitrobenzene-d5      | 66         |           | 23-120              |
| 2-Fluorobiphenyl     | 66         |           | 15-120              |
| 2,4,6-Tribromophenol | 80         |           | 10-120              |
| 4-Terphenyl-d14      | 84         |           | 41-149              |

Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 05/04/18 11:00  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 08:21

| Parameter                                                                                   | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07 Batch: WG1112157-1 |        |           |       |     |      |
| Acenaphthene                                                                                | ND     |           | ug/l  | 2.0 | 0.59 |
| 1,2,4-Trichlorobenzene                                                                      | ND     |           | ug/l  | 5.0 | 0.66 |
| Hexachlorobenzene                                                                           | ND     |           | ug/l  | 2.0 | 0.58 |
| Bis(2-chloroethyl)ether                                                                     | ND     |           | ug/l  | 2.0 | 0.67 |
| 2-Chloronaphthalene                                                                         | ND     |           | ug/l  | 2.0 | 0.64 |
| 1,2-Dichlorobenzene                                                                         | ND     |           | ug/l  | 2.0 | 0.73 |
| 1,3-Dichlorobenzene                                                                         | ND     |           | ug/l  | 2.0 | 0.69 |
| 1,4-Dichlorobenzene                                                                         | ND     |           | ug/l  | 2.0 | 0.71 |
| 3,3'-Dichlorobenzidine                                                                      | ND     |           | ug/l  | 5.0 | 1.4  |
| 2,4-Dinitrotoluene                                                                          | ND     |           | ug/l  | 5.0 | 0.84 |
| 2,6-Dinitrotoluene                                                                          | ND     |           | ug/l  | 5.0 | 1.1  |
| Fluoranthene                                                                                | ND     |           | ug/l  | 2.0 | 0.57 |
| 4-Chlorophenyl phenyl ether                                                                 | ND     |           | ug/l  | 2.0 | 0.62 |
| 4-Bromophenyl phenyl ether                                                                  | ND     |           | ug/l  | 2.0 | 0.73 |
| Bis(2-chloroisopropyl)ether                                                                 | ND     |           | ug/l  | 2.0 | 0.70 |
| Bis(2-chloroethoxy)methane                                                                  | ND     |           | ug/l  | 5.0 | 0.63 |
| Hexachlorobutadiene                                                                         | ND     |           | ug/l  | 2.0 | 0.72 |
| Hexachlorocyclopentadiene                                                                   | ND     |           | ug/l  | 20  | 7.8  |
| Hexachloroethane                                                                            | ND     |           | ug/l  | 2.0 | 0.68 |
| Isophorone                                                                                  | ND     |           | ug/l  | 5.0 | 0.60 |
| Naphthalene                                                                                 | ND     |           | ug/l  | 2.0 | 0.68 |
| Nitrobenzene                                                                                | ND     |           | ug/l  | 2.0 | 0.75 |
| NDPA/DPA                                                                                    | ND     |           | ug/l  | 2.0 | 0.64 |
| n-Nitrosodi-n-propylamine                                                                   | ND     |           | ug/l  | 5.0 | 0.70 |
| Bis(2-ethylhexyl)phthalate                                                                  | ND     |           | ug/l  | 3.0 | 0.91 |
| Butyl benzyl phthalate                                                                      | ND     |           | ug/l  | 5.0 | 1.3  |
| Di-n-butylphthalate                                                                         | ND     |           | ug/l  | 5.0 | 0.69 |
| Di-n-octylphthalate                                                                         | ND     |           | ug/l  | 5.0 | 1.1  |
| Diethyl phthalate                                                                           | ND     |           | ug/l  | 5.0 | 0.63 |

Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 05/04/18 11:00  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 08:21

| Parameter                                                                                   | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07 Batch: WG1112157-1 |        |           |       |     |      |
| Dimethyl phthalate                                                                          | ND     |           | ug/l  | 5.0 | 0.65 |
| Benzo(a)anthracene                                                                          | ND     |           | ug/l  | 2.0 | 0.61 |
| Benzo(a)pyrene                                                                              | ND     |           | ug/l  | 2.0 | 0.54 |
| Benzo(b)fluoranthene                                                                        | ND     |           | ug/l  | 2.0 | 0.64 |
| Benzo(k)fluoranthene                                                                        | ND     |           | ug/l  | 2.0 | 0.60 |
| Chrysene                                                                                    | ND     |           | ug/l  | 2.0 | 0.54 |
| Acenaphthylene                                                                              | ND     |           | ug/l  | 2.0 | 0.66 |
| Anthracene                                                                                  | ND     |           | ug/l  | 2.0 | 0.64 |
| Benzo(ghi)perylene                                                                          | ND     |           | ug/l  | 2.0 | 0.61 |
| Fluorene                                                                                    | ND     |           | ug/l  | 2.0 | 0.62 |
| Phenanthrene                                                                                | ND     |           | ug/l  | 2.0 | 0.61 |
| Dibenzo(a,h)anthracene                                                                      | ND     |           | ug/l  | 2.0 | 0.55 |
| Indeno(1,2,3-cd)pyrene                                                                      | ND     |           | ug/l  | 2.0 | 0.71 |
| Pyrene                                                                                      | ND     |           | ug/l  | 2.0 | 0.57 |
| Biphenyl                                                                                    | ND     |           | ug/l  | 2.0 | 0.76 |
| 4-Chloroaniline                                                                             | ND     |           | ug/l  | 5.0 | 0.63 |
| 2-Nitroaniline                                                                              | ND     |           | ug/l  | 5.0 | 1.1  |
| 3-Nitroaniline                                                                              | ND     |           | ug/l  | 5.0 | 1.2  |
| 4-Nitroaniline                                                                              | ND     |           | ug/l  | 5.0 | 1.3  |
| Dibenzofuran                                                                                | ND     |           | ug/l  | 2.0 | 0.66 |
| 2-Methylnaphthalene                                                                         | ND     |           | ug/l  | 2.0 | 0.72 |
| 1,2,4,5-Tetrachlorobenzene                                                                  | ND     |           | ug/l  | 10  | 0.67 |
| Acetophenone                                                                                | ND     |           | ug/l  | 5.0 | 0.85 |
| 2,4,6-Trichlorophenol                                                                       | ND     |           | ug/l  | 5.0 | 0.68 |
| p-Chloro-m-cresol                                                                           | ND     |           | ug/l  | 2.0 | 0.62 |
| 2-Chlorophenol                                                                              | ND     |           | ug/l  | 2.0 | 0.63 |
| 2,4-Dichlorophenol                                                                          | ND     |           | ug/l  | 5.0 | 0.77 |
| 2,4-Dimethylphenol                                                                          | ND     |           | ug/l  | 5.0 | 1.6  |
| 2-Nitrophenol                                                                               | ND     |           | ug/l  | 10  | 1.5  |

Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 05/04/18 11:00  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 08:21

| Parameter                                                                                   | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07 Batch: WG1112157-1 |        |           |       |     |      |
| 4-Nitrophenol                                                                               | ND     |           | ug/l  | 10  | 1.8  |
| 2,4-Dinitrophenol                                                                           | ND     |           | ug/l  | 20  | 5.5  |
| 4,6-Dinitro-o-cresol                                                                        | ND     |           | ug/l  | 10  | 2.1  |
| Pentachlorophenol                                                                           | ND     |           | ug/l  | 10  | 3.4  |
| Phenol                                                                                      | ND     |           | ug/l  | 5.0 | 1.9  |
| 2-Methylphenol                                                                              | ND     |           | ug/l  | 5.0 | 1.0  |
| 3-Methylphenol/4-Methylphenol                                                               | ND     |           | ug/l  | 5.0 | 1.1  |
| 2,4,5-Trichlorophenol                                                                       | ND     |           | ug/l  | 5.0 | 0.72 |
| Benzoic Acid                                                                                | ND     |           | ug/l  | 50  | 13.  |
| Benzyl Alcohol                                                                              | ND     |           | ug/l  | 2.0 | 0.72 |
| Carbazole                                                                                   | ND     |           | ug/l  | 2.0 | 0.63 |

#### Tentatively Identified Compounds

|                     |      |   |      |
|---------------------|------|---|------|
| Total TIC Compounds | 5.06 | J | ug/l |
| Aldol Condensates   | 5.06 | J | ug/l |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 40        |           | 21-120                 |
| Phenol-d6            | 27        |           | 10-120                 |
| Nitrobenzene-d5      | 61        |           | 23-120                 |
| 2-Fluorobiphenyl     | 69        |           | 15-120                 |
| 2,4,6-Tribromophenol | 63        |           | 10-120                 |
| 4-Terphenyl-d14      | 81        |           | 41-149                 |

Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 05/04/18 09:32  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 08:25

| Parameter                                                                                       | Result | Qualifier | Units | RL   | MDL  |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05,07 Batch: WG1112158-1 |        |           |       |      |      |
| Acenaphthene                                                                                    | ND     |           | ug/l  | 0.10 | 0.04 |
| 2-Chloronaphthalene                                                                             | ND     |           | ug/l  | 0.20 | 0.04 |
| Fluoranthene                                                                                    | ND     |           | ug/l  | 0.10 | 0.04 |
| Hexachlorobutadiene                                                                             | ND     |           | ug/l  | 0.50 | 0.04 |
| Naphthalene                                                                                     | ND     |           | ug/l  | 0.10 | 0.04 |
| Benzo(a)anthracene                                                                              | ND     |           | ug/l  | 0.10 | 0.02 |
| Benzo(a)pyrene                                                                                  | ND     |           | ug/l  | 0.10 | 0.04 |
| Benzo(b)fluoranthene                                                                            | ND     |           | ug/l  | 0.10 | 0.02 |
| Benzo(k)fluoranthene                                                                            | ND     |           | ug/l  | 0.10 | 0.04 |
| Chrysene                                                                                        | ND     |           | ug/l  | 0.10 | 0.04 |
| Acenaphthylene                                                                                  | ND     |           | ug/l  | 0.10 | 0.04 |
| Anthracene                                                                                      | ND     |           | ug/l  | 0.10 | 0.04 |
| Benzo(ghi)perylene                                                                              | ND     |           | ug/l  | 0.10 | 0.04 |
| Fluorene                                                                                        | ND     |           | ug/l  | 0.10 | 0.04 |
| Phenanthrene                                                                                    | ND     |           | ug/l  | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene                                                                          | ND     |           | ug/l  | 0.10 | 0.04 |
| Indeno(1,2,3-cd)pyrene                                                                          | ND     |           | ug/l  | 0.10 | 0.04 |
| Pyrene                                                                                          | ND     |           | ug/l  | 0.10 | 0.04 |
| 2-Methylnaphthalene                                                                             | ND     |           | ug/l  | 0.10 | 0.05 |
| Pentachlorophenol                                                                               | ND     |           | ug/l  | 0.80 | 0.22 |
| Hexachlorobenzene                                                                               | ND     |           | ug/l  | 0.80 | 0.03 |
| Hexachloroethane                                                                                | ND     |           | ug/l  | 0.80 | 0.03 |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**Method Blank Analysis**  
**Batch Quality Control**Analytical Method: 1,8270D-SIM  
Analytical Date: 05/04/18 09:32  
Analyst: DVExtraction Method: EPA 3510C  
Extraction Date: 05/03/18 08:25

| Parameter                                                                                       | Result | Qualifier | Units | RL | MDL |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05,07 Batch: WG1112158-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 26        |           | 21-120              |
| Phenol-d6            | 19        |           | 10-120              |
| Nitrobenzene-d5      | 45        |           | 23-120              |
| 2-Fluorobiphenyl     | 42        |           | 15-120              |
| 2,4,6-Tribromophenol | 52        |           | 10-120              |
| 4-Terphenyl-d14      | 51        |           | 41-149              |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1112157-2 WG1112157-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                   | 77               |      | 71                |      | 37-111              | 8   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                         | 73               |      | 63                |      | 39-98               | 15  |      | 30            |
| Hexachlorobenzene                                                                                              | 78               |      | 74                |      | 40-140              | 5   |      | 30            |
| Bis(2-chloroethyl)ether                                                                                        | 73               |      | 63                |      | 40-140              | 15  |      | 30            |
| 2-Chloronaphthalene                                                                                            | 74               |      | 68                |      | 40-140              | 8   |      | 30            |
| 1,2-Dichlorobenzene                                                                                            | 74               |      | 62                |      | 40-140              | 18  |      | 30            |
| 1,3-Dichlorobenzene                                                                                            | 72               |      | 60                |      | 40-140              | 18  |      | 30            |
| 1,4-Dichlorobenzene                                                                                            | 72               |      | 60                |      | 36-97               | 18  |      | 30            |
| 3,3'-Dichlorobenzidine                                                                                         | 65               |      | 60                |      | 40-140              | 8   |      | 30            |
| 2,4-Dinitrotoluene                                                                                             | 80               |      | 76                |      | 48-143              | 5   |      | 30            |
| 2,6-Dinitrotoluene                                                                                             | 79               |      | 75                |      | 40-140              | 5   |      | 30            |
| Fluoranthene                                                                                                   | 82               |      | 75                |      | 40-140              | 9   |      | 30            |
| 4-Chlorophenyl phenyl ether                                                                                    | 78               |      | 73                |      | 40-140              | 7   |      | 30            |
| 4-Bromophenyl phenyl ether                                                                                     | 82               |      | 77                |      | 40-140              | 6   |      | 30            |
| Bis(2-chloroisopropyl)ether                                                                                    | 75               |      | 64                |      | 40-140              | 16  |      | 30            |
| Bis(2-chloroethoxy)methane                                                                                     | 75               |      | 67                |      | 40-140              | 11  |      | 30            |
| Hexachlorobutadiene                                                                                            | 75               |      | 65                |      | 40-140              | 14  |      | 30            |
| Hexachlorocyclopentadiene                                                                                      | 79               |      | 68                |      | 40-140              | 15  |      | 30            |
| Hexachloroethane                                                                                               | 71               |      | 60                |      | 40-140              | 17  |      | 30            |
| Isophorone                                                                                                     | 76               |      | 67                |      | 40-140              | 13  |      | 30            |
| Naphthalene                                                                                                    | 74               |      | 65                |      | 40-140              | 13  |      | 30            |
| Nitrobenzene                                                                                                   | 72               |      | 62                |      | 40-140              | 15  |      | 30            |
| NDPA/DPA                                                                                                       | 78               |      | 72                |      | 40-140              | 8   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1112157-2 WG1112157-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine                                                                                      | 75               |      | 65                |      | 29-132              | 14  |      | 30            |
| Bis(2-ethylhexyl)phthalate                                                                                     | 90               |      | 85                |      | 40-140              | 6   |      | 30            |
| Butyl benzyl phthalate                                                                                         | 86               |      | 80                |      | 40-140              | 7   |      | 30            |
| Di-n-butylphthalate                                                                                            | 84               |      | 78                |      | 40-140              | 7   |      | 30            |
| Di-n-octylphthalate                                                                                            | 90               |      | 84                |      | 40-140              | 7   |      | 30            |
| Diethyl phthalate                                                                                              | 80               |      | 74                |      | 40-140              | 8   |      | 30            |
| Dimethyl phthalate                                                                                             | 79               |      | 74                |      | 40-140              | 7   |      | 30            |
| Benzo(a)anthracene                                                                                             | 81               |      | 75                |      | 40-140              | 8   |      | 30            |
| Benzo(a)pyrene                                                                                                 | 79               |      | 74                |      | 40-140              | 7   |      | 30            |
| Benzo(b)fluoranthene                                                                                           | 78               |      | 73                |      | 40-140              | 7   |      | 30            |
| Benzo(k)fluoranthene                                                                                           | 82               |      | 76                |      | 40-140              | 8   |      | 30            |
| Chrysene                                                                                                       | 80               |      | 76                |      | 40-140              | 5   |      | 30            |
| Acenaphthylene                                                                                                 | 78               |      | 71                |      | 45-123              | 9   |      | 30            |
| Anthracene                                                                                                     | 82               |      | 76                |      | 40-140              | 8   |      | 30            |
| Benzo(ghi)perylene                                                                                             | 81               |      | 75                |      | 40-140              | 8   |      | 30            |
| Fluorene                                                                                                       | 77               |      | 72                |      | 40-140              | 7   |      | 30            |
| Phenanthrene                                                                                                   | 81               |      | 75                |      | 40-140              | 8   |      | 30            |
| Dibenzo(a,h)anthracene                                                                                         | 80               |      | 75                |      | 40-140              | 6   |      | 30            |
| Indeno(1,2,3-cd)pyrene                                                                                         | 83               |      | 74                |      | 40-140              | 11  |      | 30            |
| Pyrene                                                                                                         | 81               |      | 74                |      | 26-127              | 9   |      | 30            |
| Biphenyl                                                                                                       | 78               |      | 71                |      | 40-140              | 9   |      | 30            |
| 4-Chloroaniline                                                                                                | 68               |      | 62                |      | 40-140              | 9   |      | 30            |
| 2-Nitroaniline                                                                                                 | 79               |      | 73                |      | 52-143              | 8   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1112157-2 WG1112157-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline                                                                                                 | 69               |      | 64                |      | 25-145              | 8   |      | 30            |
| 4-Nitroaniline                                                                                                 | 75               |      | 71                |      | 51-143              | 5   |      | 30            |
| Dibenzofuran                                                                                                   | 78               |      | 72                |      | 40-140              | 8   |      | 30            |
| 2-Methylnaphthalene                                                                                            | 76               |      | 69                |      | 40-140              | 10  |      | 30            |
| 1,2,4,5-Tetrachlorobenzene                                                                                     | 78               |      | 70                |      | 2-134               | 11  |      | 30            |
| Acetophenone                                                                                                   | 77               |      | 68                |      | 39-129              | 12  |      | 30            |
| 2,4,6-Trichlorophenol                                                                                          | 79               |      | 72                |      | 30-130              | 9   |      | 30            |
| p-Chloro-m-cresol                                                                                              | 78               |      | 70                |      | 23-97               | 11  |      | 30            |
| 2-Chlorophenol                                                                                                 | 72               |      | 62                |      | 27-123              | 15  |      | 30            |
| 2,4-Dichlorophenol                                                                                             | 77               |      | 68                |      | 30-130              | 12  |      | 30            |
| 2,4-Dimethylphenol                                                                                             | 75               |      | 66                |      | 30-130              | 13  |      | 30            |
| 2-Nitrophenol                                                                                                  | 75               |      | 66                |      | 30-130              | 13  |      | 30            |
| 4-Nitrophenol                                                                                                  | 47               |      | 44                |      | 10-80               | 7   |      | 30            |
| 2,4-Dinitrophenol                                                                                              | 54               |      | 51                |      | 20-130              | 6   |      | 30            |
| 4,6-Dinitro-o-cresol                                                                                           | 84               |      | 76                |      | 20-164              | 10  |      | 30            |
| Pentachlorophenol                                                                                              | 66               |      | 60                |      | 9-103               | 10  |      | 30            |
| Phenol                                                                                                         | 36               |      | 32                |      | 12-110              | 12  |      | 30            |
| 2-Methylphenol                                                                                                 | 68               |      | 60                |      | 30-130              | 13  |      | 30            |
| 3-Methylphenol/4-Methylphenol                                                                                  | 64               |      | 57                |      | 30-130              | 12  |      | 30            |
| 2,4,5-Trichlorophenol                                                                                          | 82               |      | 74                |      | 30-130              | 10  |      | 30            |
| Benzoic Acid                                                                                                   | 24               |      | 22                |      | 10-164              | 9   |      | 30            |
| Benzyl Alcohol                                                                                                 | 67               |      | 60                |      | 26-116              | 11  |      | 30            |
| Carbazole                                                                                                      | 82               |      | 76                |      | 55-144              | 8   |      | 30            |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1112157-2 WG1112157-3

| <b>Surrogate</b>     | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 2-Fluorophenol       | 50                       |             | 43                        |             | 21-120                         |
| Phenol-d6            | 33                       |             | 30                        |             | 10-120                         |
| Nitrobenzene-d5      | 72                       |             | 63                        |             | 23-120                         |
| 2-Fluorobiphenyl     | 77                       |             | 71                        |             | 15-120                         |
| 2,4,6-Tribromophenol | 79                       |             | 74                        |             | 10-120                         |
| 4-Terphenyl-d14      | 88                       |             | 83                        |             | 41-149                         |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1112158-2 WG1112158-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                       | 59               |      | 54                |      | 40-140              | 9   |      | 40            |
| 2-Chloronaphthalene                                                                                                | 53               |      | 49                |      | 40-140              | 8   |      | 40            |
| Fluoranthene                                                                                                       | 60               |      | 55                |      | 40-140              | 9   |      | 40            |
| Hexachlorobutadiene                                                                                                | 48               |      | 45                |      | 40-140              | 6   |      | 40            |
| Naphthalene                                                                                                        | 50               |      | 46                |      | 40-140              | 8   |      | 40            |
| Benzo(a)anthracene                                                                                                 | 54               |      | 49                |      | 40-140              | 10  |      | 40            |
| Benzo(a)pyrene                                                                                                     | 53               |      | 51                |      | 40-140              | 4   |      | 40            |
| Benzo(b)fluoranthene                                                                                               | 52               |      | 49                |      | 40-140              | 6   |      | 40            |
| Benzo(k)fluoranthene                                                                                               | 54               |      | 52                |      | 40-140              | 4   |      | 40            |
| Chrysene                                                                                                           | 55               |      | 50                |      | 40-140              | 10  |      | 40            |
| Acenaphthylene                                                                                                     | 59               |      | 55                |      | 40-140              | 7   |      | 40            |
| Anthracene                                                                                                         | 58               |      | 52                |      | 40-140              | 11  |      | 40            |
| Benzo(ghi)perylene                                                                                                 | 56               |      | 52                |      | 40-140              | 7   |      | 40            |
| Fluorene                                                                                                           | 62               |      | 57                |      | 40-140              | 8   |      | 40            |
| Phenanthrene                                                                                                       | 54               |      | 50                |      | 40-140              | 8   |      | 40            |
| Dibenzo(a,h)anthracene                                                                                             | 58               |      | 55                |      | 40-140              | 5   |      | 40            |
| Indeno(1,2,3-cd)pyrene                                                                                             | 55               |      | 52                |      | 40-140              | 6   |      | 40            |
| Pyrene                                                                                                             | 58               |      | 53                |      | 40-140              | 9   |      | 40            |
| 2-Methylnaphthalene                                                                                                | 53               |      | 49                |      | 40-140              | 8   |      | 40            |
| Pentachlorophenol                                                                                                  | 56               |      | 51                |      | 40-140              | 9   |      | 40            |
| Hexachlorobenzene                                                                                                  | 54               |      | 49                |      | 40-140              | 10  |      | 40            |
| Hexachloroethane                                                                                                   | 46               |      | 43                |      | 40-140              | 7   |      | 40            |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1112158-2 WG1112158-3

| <b>Surrogate</b>     | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 2-Fluorophenol       | 28                       |             | 31                        |             | 21-120                         |
| Phenol-d6            | 20                       |             | 23                        |             | 10-120                         |
| Nitrobenzene-d5      | 51                       |             | 51                        |             | 23-120                         |
| 2-Fluorobiphenyl     | 47                       |             | 47                        |             | 15-120                         |
| 2,4,6-Tribromophenol | 63                       |             | 60                        |             | 10-120                         |
| 4-Terphenyl-d14      | 56                       |             | 56                        |             | 41-149                         |

# PCBS



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-01  
 Client ID: MW02\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:15  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 05/04/18 20:24  
 Analyst: HT

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 17:52  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/04/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/04/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.030 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.023 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.035 | 1               | A      |
| Aroclor 1260                                      | 0.139  |           | ug/l  | 0.083 | 0.020 | 1               | B      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| PCBs, Total                                       | 0.139  |           | ug/l  | 0.083 | 0.017 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 70         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | B      |
| Decachlorobiphenyl           | 74         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-02  
 Client ID: MW03\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 09:30  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 05/04/18 20:37  
 Analyst: HT

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 17:52  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/04/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/04/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.030 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.023 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.035 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 82         |           | 30-150              | A      |
| Decachlorobiphenyl           | 63         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 80         |           | 30-150              | B      |
| Decachlorobiphenyl           | 70         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-03  
 Client ID: MW04\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 08:20  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 05/04/18 22:04  
 Analyst: HT

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 17:52  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/04/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/04/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.030 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.023 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.035 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 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:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-04  
 Client ID: MW06\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 14:00  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 05/04/18 22:17  
 Analyst: HT

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 17:52  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/04/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/04/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.030 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.023 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.035 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 77         |           | 30-150              | A      |
| Decachlorobiphenyl           | 57         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 76         |           | 30-150              | B      |
| Decachlorobiphenyl           | 65         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-05  
 Client ID: FIELD BLANK  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 10:00  
 Date Received: 05/02/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 05/04/18 22:31  
 Analyst: HT

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 17:52  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/04/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/04/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.030 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.023 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.035 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 83         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 30-150              | B      |
| Decachlorobiphenyl           | 92         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-07  
 Client ID: DUP01\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:30  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 05/09/18 02:55  
 Analyst: HT

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 17:52  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/04/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/04/18

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.020 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.030 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.023 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.035 | 1               | A      |
| Aroclor 1260                                      | 0.210  |           | ug/l  | 0.083 | 0.020 | 1               | B      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.017 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.027 | 1               | A      |
| PCBs, Total                                       | 0.210  |           | ug/l  | 0.083 | 0.017 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | A      |
| Decachlorobiphenyl           | 42         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 91         |           | 30-150              | B      |
| Decachlorobiphenyl           | 47         |           | 30-150              | B      |

Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A  
 Analytical Date: 05/04/18 09:29  
 Analyst: WR

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 17:52  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/04/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/04/18

| Parameter                                                                                    | Result | Qualifier | Units | RL    | MDL   | Column |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05,07 Batch: WG1112395-1 |        |           |       |       |       |        |
| Aroclor 1016                                                                                 | ND     |           | ug/l  | 0.083 | 0.020 | A      |
| Aroclor 1221                                                                                 | ND     |           | ug/l  | 0.083 | 0.032 | A      |
| Aroclor 1232                                                                                 | ND     |           | ug/l  | 0.083 | 0.027 | A      |
| Aroclor 1242                                                                                 | ND     |           | ug/l  | 0.083 | 0.030 | A      |
| Aroclor 1248                                                                                 | ND     |           | ug/l  | 0.083 | 0.023 | A      |
| Aroclor 1254                                                                                 | ND     |           | ug/l  | 0.083 | 0.035 | A      |
| Aroclor 1260                                                                                 | ND     |           | ug/l  | 0.083 | 0.020 | A      |
| Aroclor 1262                                                                                 | ND     |           | ug/l  | 0.083 | 0.017 | A      |
| Aroclor 1268                                                                                 | ND     |           | ug/l  | 0.083 | 0.027 | A      |
| PCBs, Total                                                                                  | ND     |           | ug/l  | 0.083 | 0.017 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 91        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 71        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 103       |           | 30-150                 | B      |
| Decachlorobiphenyl           | 82        |           | 30-150                 | B      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18

| <b>Parameter</b>                                                                                                | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> | <b>Column</b> |
|-----------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|---------------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1112395-2 WG1112395-3 |                          |             |                           |             |                             |            |             |                       |               |
| Aroclor 1016                                                                                                    | 85                       |             | 82                        |             | 40-140                      | 3          |             | 50                    | A             |
| Aroclor 1260                                                                                                    | 75                       |             | 77                        |             | 40-140                      | 3          |             | 50                    | A             |

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 82                       |             | 77                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 62                       |             | 69                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 89                       |             | 82                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 67                       |             | 73                        |             | 30-150                         | B             |



# PESTICIDES

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-01  
 Client ID: MW02\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:15  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 05/08/18 19:42  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:31

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.020 | 0.005 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Aldrin                                            | 0.008  | J         | ug/l  | 0.020 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/l  | 0.040 | 0.008 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Dieldrin                                          | 0.013  | J         | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.200 | 0.007 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.200 | 0.063 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.020 | 0.007 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.200 | 0.046 | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-01

Date Collected: 05/02/18 12:15

Client ID: MW02\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Field Prep: Field Filtered (Dissolved Metals)

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 | 75         |           | 30-150              | A      |
| Decachlorobiphenyl           | 62         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 54         |           | 30-150              | B      |
| Decachlorobiphenyl           | 46         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-02  
 Client ID: MW03\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 09:30  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 05/08/18 08:04  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:31

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.020 | 0.005 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.020 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/l  | 0.040 | 0.008 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.200 | 0.007 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.200 | 0.063 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.020 | 0.007 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.200 | 0.046 | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-02**Date Collected:** 05/02/18 09:30**Client ID:** MW03\_050218**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**Field Prep:** Field Filtered (Dissolved Metals)**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 | 60         |           | 30-150              | A      |
| Decachlorobiphenyl           | 52         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 58         |           | 30-150              | B      |
| Decachlorobiphenyl           | 61         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-03  
 Client ID: MW04\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 08:20  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 05/08/18 08:17  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:31

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.020 | 0.005 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.020 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/l  | 0.040 | 0.008 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.200 | 0.007 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.200 | 0.063 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.020 | 0.007 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.200 | 0.046 | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-03**Date Collected:** 05/02/18 08:20**Client ID:** MW04\_050218**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**Field Prep:** Field Filtered (Dissolved Metals)**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 | 95         |           | 30-150              | A      |
| Decachlorobiphenyl           | 89         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 84         |           | 30-150              | B      |
| Decachlorobiphenyl           | 89         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-04  
 Client ID: MW06\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 14:00  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 05/08/18 08:30  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:31

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.020 | 0.005 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.020 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/l  | 0.040 | 0.008 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endosulfan I                                      | 0.018  | JPI       | ug/l  | 0.020 | 0.003 | 1               | B      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.200 | 0.007 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.200 | 0.063 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.020 | 0.007 | 1               | A      |
| trans-Chlordane                                   | ND     | PI        | ug/l  | 0.020 | 0.006 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.200 | 0.046 | 1               | A      |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

**SAMPLE RESULTS**

**Lab ID:** L1815666-04  
**Client ID:** MW06\_050218  
**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY

**Date Collected:** 05/02/18 14:00  
**Date Received:** 05/02/18  
**Field Prep:** Field Filtered (Dissolved Metals)

**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           | 67         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 61         |           | 30-150              | B      |
| Decachlorobiphenyl           | 62         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-05  
 Client ID: FIELD BLANK  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 10:00  
 Date Received: 05/02/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 05/07/18 18:56  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 05/06/18 13:41

| 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:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

**SAMPLE RESULTS**

**Lab ID:** L1815666-05  
**Client ID:** FIELD BLANK  
**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY

**Date Collected:** 05/02/18 10:00  
**Date Received:** 05/02/18  
**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 | 60         |           | 30-150              | A      |
| Decachlorobiphenyl           | 51         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 60         |           | 30-150              | B      |
| Decachlorobiphenyl           | 55         |           | 30-150              | B      |

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-07  
 Client ID: DUP01\_050218  
 Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Date Collected: 05/02/18 12:30  
 Date Received: 05/02/18  
 Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 05/08/18 19:54  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:31

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.020 | 0.005 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Aldrin                                            | 0.005  | J         | ug/l  | 0.020 | 0.002 | 1               | B      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/l  | 0.040 | 0.008 | 1               | B      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Dieldrin                                          | 0.010  | J         | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.200 | 0.007 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.200 | 0.063 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.020 | 0.007 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.200 | 0.046 | 1               | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-07**Date Collected:** 05/02/18 12:30**Client ID:** DUP01\_050218**Date Received:** 05/02/18**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**Field Prep:** Field Filtered (Dissolved Metals)**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 | 53         |           | 30-150              | A      |
| Decachlorobiphenyl           | 37         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 47         |           | 30-150              | B      |
| Decachlorobiphenyl           | 39         |           | 30-150              | B      |

Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 05/08/18 07:13  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 05/03/18 11:31

| Parameter                                                                                    | Result | Qualifier | Units | RL    | MDL   | Column |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,07 Batch: WG1112266-1 |        |           |       |       |       |        |
| Delta-BHC                                                                                    | ND     |           | ug/l  | 0.020 | 0.005 | A      |
| Lindane                                                                                      | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Alpha-BHC                                                                                    | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Beta-BHC                                                                                     | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Heptachlor                                                                                   | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Aldrin                                                                                       | ND     |           | ug/l  | 0.020 | 0.002 | A      |
| Heptachlor epoxide                                                                           | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Endrin                                                                                       | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endrin aldehyde                                                                              | ND     |           | ug/l  | 0.040 | 0.008 | A      |
| Endrin ketone                                                                                | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Dieldrin                                                                                     | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDE                                                                                     | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDD                                                                                     | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| 4,4'-DDT                                                                                     | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endosulfan I                                                                                 | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Endosulfan II                                                                                | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Endosulfan sulfate                                                                           | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Methoxychlor                                                                                 | ND     |           | ug/l  | 0.200 | 0.007 | A      |
| Toxaphene                                                                                    | ND     |           | ug/l  | 0.200 | 0.063 | A      |
| cis-Chlordane                                                                                | ND     |           | ug/l  | 0.020 | 0.007 | A      |
| trans-Chlordane                                                                              | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Chlordane                                                                                    | ND     |           | ug/l  | 0.200 | 0.046 | A      |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**Method Blank Analysis**  
**Batch Quality Control**Analytical Method: 1,8081B  
Analytical Date: 05/08/18 07:13  
Analyst: KEGExtraction Method: EPA 3510C  
Extraction Date: 05/03/18 11:31

| Parameter                                                                                    | Result | Qualifier | Units | RL | MDL | Column |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,07 Batch: WG1112266-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 79        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 74        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 79        |           | 30-150                 | B      |

Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 05/07/18 17:41  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 05/06/18 13:41

| Parameter                                                                              | Result | Qualifier | Units | RL    | MDL   | Column |
|----------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1113101-1 |        |           |       |       |       |        |
| 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                                                                               | 0.015  | J         | 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:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**Method Blank Analysis**  
**Batch Quality Control**Analytical Method: 1,8081B  
Analytical Date: 05/07/18 17:41  
Analyst: KEGExtraction Method: EPA 3510C  
Extraction Date: 05/06/18 13:41

| Parameter                                                                              | Result | Qualifier | Units | RL | MDL | Column |
|----------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1113101-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 44        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 60        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 46        |           | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1112266-2 WG1112266-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                       | 80               |      | 66                |      | 30-150              | 18  |      | 20            | A      |
| Lindane                                                                                                         | 75               |      | 61                |      | 30-150              | 19  |      | 20            | A      |
| Alpha-BHC                                                                                                       | 64               |      | 53                |      | 30-150              | 19  |      | 20            | A      |
| Beta-BHC                                                                                                        | 68               |      | 57                |      | 30-150              | 19  |      | 20            | A      |
| Heptachlor                                                                                                      | 69               |      | 59                |      | 30-150              | 16  |      | 20            | A      |
| Aldrin                                                                                                          | 71               |      | 61                |      | 30-150              | 15  |      | 20            | A      |
| Heptachlor epoxide                                                                                              | 71               |      | 61                |      | 30-150              | 15  |      | 20            | A      |
| Endrin                                                                                                          | 74               |      | 62                |      | 30-150              | 17  |      | 20            | A      |
| Endrin aldehyde                                                                                                 | 70               |      | 55                |      | 30-150              | 24  | Q    | 20            | A      |
| Endrin ketone                                                                                                   | 80               |      | 66                |      | 30-150              | 19  |      | 20            | A      |
| Dieldrin                                                                                                        | 76               |      | 65                |      | 30-150              | 15  |      | 20            | A      |
| 4,4'-DDE                                                                                                        | 69               |      | 61                |      | 30-150              | 13  |      | 20            | A      |
| 4,4'-DDD                                                                                                        | 71               |      | 61                |      | 30-150              | 15  |      | 20            | A      |
| 4,4'-DDT                                                                                                        | 72               |      | 62                |      | 30-150              | 15  |      | 20            | A      |
| Endosulfan I                                                                                                    | 69               |      | 59                |      | 30-150              | 15  |      | 20            | A      |
| Endosulfan II                                                                                                   | 70               |      | 60                |      | 30-150              | 16  |      | 20            | A      |
| Endosulfan sulfate                                                                                              | 77               |      | 65                |      | 30-150              | 17  |      | 20            | A      |
| Methoxychlor                                                                                                    | 77               |      | 64                |      | 30-150              | 18  |      | 20            | A      |
| cis-Chlordane                                                                                                   | 66               |      | 57                |      | 30-150              | 14  |      | 20            | A      |
| trans-Chlordane                                                                                                 | 68               |      | 58                |      | 30-150              | 15  |      | 20            | A      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18

| <b>Parameter</b>                                                                                                | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|-----------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1112266-2 WG1112266-3 |                          |             |                           |             |                             |            |             |                       |

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 72                       |             | 56                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 76                       |             | 58                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 69                       |             | 54                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 77                       |             | 57                        |             | 30-150                         | B             |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1815666

Report Date: 05/09/18

| Parameter                                                                                                 | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|-----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1113101-2 WG1113101-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                 | 78               |      | 73                |      | 30-150              | 6   |      | 20            | A      |
| Lindane                                                                                                   | 76               |      | 71                |      | 30-150              | 6   |      | 20            | A      |
| Alpha-BHC                                                                                                 | 75               |      | 70                |      | 30-150              | 7   |      | 20            | A      |
| Beta-BHC                                                                                                  | 72               |      | 71                |      | 30-150              | 2   |      | 20            | A      |
| Heptachlor                                                                                                | 70               |      | 67                |      | 30-150              | 5   |      | 20            | A      |
| Aldrin                                                                                                    | 71               |      | 66                |      | 30-150              | 7   |      | 20            | A      |
| Heptachlor epoxide                                                                                        | 72               |      | 69                |      | 30-150              | 4   |      | 20            | A      |
| Endrin                                                                                                    | 78               |      | 78                |      | 30-150              | 1   |      | 20            | A      |
| Endrin aldehyde                                                                                           | 51               |      | 48                |      | 30-150              | 7   |      | 20            | A      |
| Endrin ketone                                                                                             | 71               |      | 71                |      | 30-150              | 0   |      | 20            | A      |
| Dieldrin                                                                                                  | 75               |      | 72                |      | 30-150              | 3   |      | 20            | A      |
| 4,4'-DDE                                                                                                  | 69               |      | 64                |      | 30-150              | 6   |      | 20            | A      |
| 4,4'-DDD                                                                                                  | 70               |      | 68                |      | 30-150              | 2   |      | 20            | A      |
| 4,4'-DDT                                                                                                  | 66               |      | 66                |      | 30-150              | 0   |      | 20            | A      |
| Endosulfan I                                                                                              | 73               |      | 66                |      | 30-150              | 9   |      | 20            | A      |
| Endosulfan II                                                                                             | 63               |      | 63                |      | 30-150              | 0   |      | 20            | A      |
| Endosulfan sulfate                                                                                        | 62               |      | 62                |      | 30-150              | 0   |      | 20            | A      |
| Methoxychlor                                                                                              | 85               |      | 99                |      | 30-150              | 16  |      | 20            | A      |
| cis-Chlordane                                                                                             | 65               |      | 61                |      | 30-150              | 6   |      | 20            | A      |
| trans-Chlordane                                                                                           | 67               |      | 63                |      | 30-150              | 6   |      | 20            | A      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1113101-2 WG1113101-3

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 61                       |             | 56                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 54                       |             | 56                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 59                       |             | 52                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 54                       |             | 54                        |             | 30-150                         | B             |

## METALS

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-01

Date Collected: 05/02/18 12:15

Client ID: MW02\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water

| Parameter                        | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Dissolved              | 0.0194  |           | mg/l  | 0.0100  | 0.00327 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Antimony, Dissolved              | 0.00120 | J         | mg/l  | 0.00400 | 0.00042 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Arsenic, Dissolved               | 0.00432 |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Barium, Dissolved                | 0.1417  |           | mg/l  | 0.00050 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Beryllium, Dissolved             | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Cadmium, Dissolved               | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Calcium, Dissolved               | 179.    |           | mg/l  | 0.100   | 0.0394  | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Chromium, Dissolved              | 0.00193 |           | mg/l  | 0.00100 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Cobalt, Dissolved                | 0.00026 | J         | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Copper, Dissolved                | ND      |           | mg/l  | 0.00150 | 0.00038 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Iron, Dissolved                  | 8.23    |           | mg/l  | 0.0500  | 0.0191  | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Lead, Dissolved                  | 0.00682 |           | mg/l  | 0.00100 | 0.00034 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Magnesium, Dissolved             | 119.    |           | mg/l  | 0.0700  | 0.0242  | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Manganese, Dissolved             | 3.519   |           | mg/l  | 0.00100 | 0.00044 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Mercury, Dissolved               | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 05/03/18 11:51 | 05/03/18 17:59 | EPA 7470A   | 1,7470A           | MG      |
| Nickel, Dissolved                | 0.00096 | J         | mg/l  | 0.00200 | 0.00055 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Potassium, Dissolved             | 36.7    |           | mg/l  | 0.100   | 0.0309  | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Selenium, Dissolved              | ND      |           | mg/l  | 0.00500 | 0.00173 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Silver, Dissolved                | ND      |           | mg/l  | 0.00040 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Sodium, Dissolved                | 299.    |           | mg/l  | 0.100   | 0.0293  | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Thallium, Dissolved              | ND      |           | mg/l  | 0.00050 | 0.00014 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Vanadium, Dissolved              | 0.00366 | J         | mg/l  | 0.00500 | 0.00157 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |
| Zinc, Dissolved                  | ND      |           | mg/l  | 0.01000 | 0.00341 | 1               | 05/04/18 10:05 | 05/07/18 15:50 | EPA 3005A   | 1,6020A           | AM      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-02

Date Collected: 05/02/18 09:30

Client ID: MW03\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water

| Parameter                        | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Dissolved              | 0.0386  |           | mg/l  | 0.0100  | 0.00327 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Antimony, Dissolved              | 0.00161 | J         | mg/l  | 0.00400 | 0.00042 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Arsenic, Dissolved               | 0.00506 |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Barium, Dissolved                | 0.08101 |           | mg/l  | 0.00050 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Beryllium, Dissolved             | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Cadmium, Dissolved               | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Calcium, Dissolved               | 90.3    |           | mg/l  | 0.100   | 0.0394  | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Chromium, Dissolved              | 0.00222 |           | mg/l  | 0.00100 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Cobalt, Dissolved                | 0.00091 |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Copper, Dissolved                | 0.00132 | J         | mg/l  | 0.00150 | 0.00038 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Iron, Dissolved                  | 0.586   |           | mg/l  | 0.0500  | 0.0191  | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Lead, Dissolved                  | 0.00039 | J         | mg/l  | 0.00100 | 0.00034 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Magnesium, Dissolved             | 71.9    |           | mg/l  | 0.0700  | 0.0242  | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Manganese, Dissolved             | 0.2127  |           | mg/l  | 0.00100 | 0.00044 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Mercury, Dissolved               | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 05/03/18 11:51 | 05/03/18 18:04 | EPA 7470A   | 1,7470A           | MG      |
| Nickel, Dissolved                | 0.00384 |           | mg/l  | 0.00200 | 0.00055 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Potassium, Dissolved             | 41.9    |           | mg/l  | 0.100   | 0.0309  | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Selenium, Dissolved              | ND      |           | mg/l  | 0.00500 | 0.00173 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Silver, Dissolved                | ND      |           | mg/l  | 0.00040 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Sodium, Dissolved                | 225.    |           | mg/l  | 0.100   | 0.0293  | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Thallium, Dissolved              | ND      |           | mg/l  | 0.00050 | 0.00014 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Vanadium, Dissolved              | 0.00910 |           | mg/l  | 0.00500 | 0.00157 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |
| Zinc, Dissolved                  | ND      |           | mg/l  | 0.01000 | 0.00341 | 1               | 05/04/18 10:05 | 05/07/18 15:54 | EPA 3005A   | 1,6020A           | AM      |





**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-03

Date Collected: 05/02/18 08:20

Client ID: MW04\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water

| Parameter                        | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Dissolved              | 0.00455 | J         | mg/l  | 0.0100  | 0.00327 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Antimony, Dissolved              | 0.00093 | J         | mg/l  | 0.00400 | 0.00042 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Arsenic, Dissolved               | 0.00082 |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Barium, Dissolved                | 0.08813 |           | mg/l  | 0.00050 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Beryllium, Dissolved             | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Cadmium, Dissolved               | 0.00007 | J         | mg/l  | 0.00020 | 0.00005 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Calcium, Dissolved               | 250.    |           | mg/l  | 0.100   | 0.0394  | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Chromium, Dissolved              | 0.00030 | J         | mg/l  | 0.00100 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Cobalt, Dissolved                | 0.00332 |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Copper, Dissolved                | 0.00219 |           | mg/l  | 0.00150 | 0.00038 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Iron, Dissolved                  | 0.237   |           | mg/l  | 0.0500  | 0.0191  | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Lead, Dissolved                  | 0.00094 | J         | mg/l  | 0.00100 | 0.00034 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Magnesium, Dissolved             | 56.4    |           | mg/l  | 0.0700  | 0.0242  | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Manganese, Dissolved             | 0.4401  |           | mg/l  | 0.00100 | 0.00044 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Mercury, Dissolved               | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 05/03/18 11:51 | 05/03/18 18:05 | EPA 7470A   | 1,7470A           | MG      |
| Nickel, Dissolved                | 0.00234 |           | mg/l  | 0.00200 | 0.00055 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Potassium, Dissolved             | 28.2    |           | mg/l  | 0.100   | 0.0309  | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Selenium, Dissolved              | 0.00457 | J         | mg/l  | 0.00500 | 0.00173 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Silver, Dissolved                | ND      |           | mg/l  | 0.00040 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Sodium, Dissolved                | 158.    |           | mg/l  | 0.100   | 0.0293  | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Thallium, Dissolved              | ND      |           | mg/l  | 0.00050 | 0.00014 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Vanadium, Dissolved              | 0.00351 | J         | mg/l  | 0.00500 | 0.00157 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |
| Zinc, Dissolved                  | 0.01635 |           | mg/l  | 0.01000 | 0.00341 | 1               | 05/04/18 10:05 | 05/07/18 15:58 | EPA 3005A   | 1,6020A           | AM      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-04

Date Collected: 05/02/18 14:00

Client ID: MW06\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water

| Parameter                        | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Dissolved              | 0.0184  |           | mg/l  | 0.0100  | 0.00327 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Antimony, Dissolved              | 0.00069 | J         | mg/l  | 0.00400 | 0.00042 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Arsenic, Dissolved               | 0.01207 |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Barium, Dissolved                | 0.1529  |           | mg/l  | 0.00050 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Beryllium, Dissolved             | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Cadmium, Dissolved               | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Calcium, Dissolved               | 93.9    |           | mg/l  | 0.100   | 0.0394  | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Chromium, Dissolved              | 0.00233 |           | mg/l  | 0.00100 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Cobalt, Dissolved                | 0.00079 |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Copper, Dissolved                | ND      |           | mg/l  | 0.00100 | 0.00038 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Iron, Dissolved                  | 11.2    |           | mg/l  | 0.0500  | 0.0191  | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Lead, Dissolved                  | 0.00305 |           | mg/l  | 0.00100 | 0.00034 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Magnesium, Dissolved             | 88.4    |           | mg/l  | 0.0700  | 0.0242  | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Manganese, Dissolved             | 1.146   |           | mg/l  | 0.00100 | 0.00044 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Mercury, Dissolved               | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 05/03/18 11:51 | 05/03/18 18:07 | EPA 7470A   | 1,7470A           | MG      |
| Nickel, Dissolved                | 0.00235 |           | mg/l  | 0.00200 | 0.00055 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Potassium, Dissolved             | 51.4    |           | mg/l  | 0.100   | 0.0309  | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Selenium, Dissolved              | ND      |           | mg/l  | 0.00500 | 0.00173 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Silver, Dissolved                | ND      |           | mg/l  | 0.00040 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Sodium, Dissolved                | 191.    |           | mg/l  | 0.100   | 0.0293  | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Thallium, Dissolved              | ND      |           | mg/l  | 0.00050 | 0.00014 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Vanadium, Dissolved              | 0.00532 |           | mg/l  | 0.00500 | 0.00157 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |
| Zinc, Dissolved                  | 0.02110 |           | mg/l  | 0.01000 | 0.00341 | 1               | 05/04/18 10:05 | 05/07/18 16:46 | EPA 3005A   | 1,6020A           | AM      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-05

Date Collected: 05/02/18 10:00

Client ID: FIELD BLANK

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST., MANHATTAN, NY

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              | ND      |           | mg/l  | 0.0100  | 0.00327 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Antimony, Total              | 0.00114 | J         | mg/l  | 0.00400 | 0.00042 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Arsenic, Total               | ND      |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Barium, Total                | 0.00080 |           | mg/l  | 0.00050 | 0.00017 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Beryllium, Total             | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Cadmium, Total               | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Calcium, Total               | ND      |           | mg/l  | 0.100   | 0.0394  | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Chromium, Total              | 0.00021 | J         | mg/l  | 0.00100 | 0.00017 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Cobalt, Total                | ND      |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Copper, Total                | ND      |           | mg/l  | 0.00150 | 0.00038 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Iron, Total                  | ND      |           | mg/l  | 0.0500  | 0.0191  | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Lead, Total                  | ND      |           | mg/l  | 0.00100 | 0.00034 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Magnesium, Total             | ND      |           | mg/l  | 0.0700  | 0.0242  | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Manganese, Total             | ND      |           | mg/l  | 0.00100 | 0.00044 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Mercury, Total               | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 05/03/18 11:51 | 05/03/18 17:33 | EPA 7470A   | 1,7470A           | MG      |
| Nickel, Total                | ND      |           | mg/l  | 0.00200 | 0.00055 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Potassium, Total             | ND      |           | mg/l  | 0.100   | 0.0309  | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Selenium, Total              | ND      |           | mg/l  | 0.00500 | 0.00173 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Silver, Total                | ND      |           | mg/l  | 0.00040 | 0.00016 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Sodium, Total                | ND      |           | mg/l  | 0.100   | 0.0293  | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Thallium, Total              | ND      |           | mg/l  | 0.00050 | 0.00014 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Vanadium, Total              | ND      |           | mg/l  | 0.00500 | 0.00157 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |
| Zinc, Total                  | ND      |           | mg/l  | 0.01000 | 0.00341 | 1               | 05/04/18 08:20 | 05/07/18 13:55 | EPA 3005A   | 1,6020A           | AM      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-06

Date Collected: 05/02/18 14:30

Client ID: WC\_RI\_DRUM\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 05/03/18 20:25

Matrix: Soil

| Parameter                               | Result | Qualifier | Units | RL     | MDL    | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|-----------------------------------------|--------|-----------|-------|--------|--------|--------------------|------------------|------------------|----------------|----------------------|---------|
| TCLP Metals by EPA 1311 - Mansfield Lab |        |           |       |        |        |                    |                  |                  |                |                      |         |
| Arsenic, TCLP                           | ND     |           | mg/l  | 1.00   | 0.019  | 1                  | 05/05/18 15:20   | 05/07/18 18:31   | EPA 3015       | 1,6010C              | AB      |
| Barium, TCLP                            | 0.339  | J         | mg/l  | 0.500  | 0.021  | 1                  | 05/05/18 15:20   | 05/07/18 18:31   | EPA 3015       | 1,6010C              | AB      |
| Cadmium, TCLP                           | ND     |           | mg/l  | 0.100  | 0.010  | 1                  | 05/05/18 15:20   | 05/07/18 18:31   | EPA 3015       | 1,6010C              | AB      |
| Chromium, TCLP                          | ND     |           | mg/l  | 0.200  | 0.021  | 1                  | 05/05/18 15:20   | 05/07/18 18:31   | EPA 3015       | 1,6010C              | AB      |
| Lead, TCLP                              | 0.209  | J         | mg/l  | 0.500  | 0.027  | 1                  | 05/05/18 15:20   | 05/07/18 18:31   | EPA 3015       | 1,6010C              | AB      |
| Mercury, TCLP                           | ND     |           | mg/l  | 0.0010 | 0.0003 | 1                  | 05/07/18 15:38   | 05/08/18 15:45   | EPA 7470A      | 1,7470A              | MG      |
| Selenium, TCLP                          | ND     |           | mg/l  | 0.500  | 0.035  | 1                  | 05/05/18 15:20   | 05/07/18 18:31   | EPA 3015       | 1,6010C              | AB      |
| Silver, TCLP                            | ND     |           | mg/l  | 0.100  | 0.028  | 1                  | 05/05/18 15:20   | 05/07/18 18:31   | EPA 3015       | 1,6010C              | AB      |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815666-07

Date Collected: 05/02/18 12:30

Client ID: DUP01\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST., MANHATTAN, NY

Field Prep: Field Filtered (Dissolved Metals)

Sample Depth:

Matrix: Water

| Parameter                        | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Dissolved              | 0.0172  |           | mg/l  | 0.0100  | 0.00327 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Antimony, Dissolved              | 0.00078 | J         | mg/l  | 0.00400 | 0.00042 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Arsenic, Dissolved               | 0.00460 |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Barium, Dissolved                | 0.1429  |           | mg/l  | 0.00050 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Beryllium, Dissolved             | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Cadmium, Dissolved               | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Calcium, Dissolved               | 187.    |           | mg/l  | 0.100   | 0.0394  | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Chromium, Dissolved              | 0.00192 |           | mg/l  | 0.00100 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Cobalt, Dissolved                | 0.00026 | J         | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Copper, Dissolved                | ND      |           | mg/l  | 0.00150 | 0.00038 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Iron, Dissolved                  | 8.11    |           | mg/l  | 0.0500  | 0.0191  | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Lead, Dissolved                  | 0.00739 |           | mg/l  | 0.00100 | 0.00034 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Magnesium, Dissolved             | 124.    |           | mg/l  | 0.0700  | 0.0242  | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Manganese, Dissolved             | 3.616   |           | mg/l  | 0.00100 | 0.00044 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Mercury, Dissolved               | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 05/03/18 11:51 | 05/03/18 18:09 | EPA 7470A   | 1,7470A           | MG      |
| Nickel, Dissolved                | 0.00106 | J         | mg/l  | 0.00200 | 0.00055 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Potassium, Dissolved             | 39.4    |           | mg/l  | 0.100   | 0.0309  | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Selenium, Dissolved              | ND      |           | mg/l  | 0.00500 | 0.00173 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Silver, Dissolved                | ND      |           | mg/l  | 0.00040 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Sodium, Dissolved                | 308.    |           | mg/l  | 0.100   | 0.0293  | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Thallium, Dissolved              | ND      |           | mg/l  | 0.00050 | 0.00014 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Vanadium, Dissolved              | 0.00419 | J         | mg/l  | 0.00500 | 0.00157 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |
| Zinc, Dissolved                  | ND      |           | mg/l  | 0.01000 | 0.00341 | 1               | 05/04/18 10:05 | 05/07/18 16:50 | EPA 3005A   | 1,6020A           | AM      |



Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

## Method Blank Analysis Batch Quality Control

| Parameter                                                                   | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------------------------------------------------|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Dissolved Metals - Mansfield Lab for sample(s): 01-04,07 Batch: WG1112261-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Mercury, Dissolved                                                          | ND     |           | mg/l  | 0.00020 | 0.00006 | 1                  | 05/03/18 11:51   | 05/03/18 17:52   | 1,7470A              | MG      |

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                         | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------------------------------------|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 05 Batch: WG1112265-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Mercury, Total                                                    | ND     |           | mg/l  | 0.00020 | 0.00006 | 1                  | 05/03/18 11:51   | 05/03/18 17:17   | 1,7470A              | MG      |

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                         | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------------------------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 05 Batch: WG1112539-1 |         |           |       |         |         |                    |                  |                  |                      |         |
| Aluminum, Total                                                   | ND      |           | mg/l  | 0.0100  | 0.00327 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Antimony, Total                                                   | 0.00085 | J         | mg/l  | 0.00400 | 0.00042 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Arsenic, Total                                                    | ND      |           | mg/l  | 0.00050 | 0.00016 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Barium, Total                                                     | ND      |           | mg/l  | 0.00050 | 0.00017 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Beryllium, Total                                                  | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Cadmium, Total                                                    | ND      |           | mg/l  | 0.00020 | 0.00005 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Calcium, Total                                                    | ND      |           | mg/l  | 0.100   | 0.0394  | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Chromium, Total                                                   | ND      |           | mg/l  | 0.00100 | 0.00017 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Cobalt, Total                                                     | ND      |           | mg/l  | 0.00050 | 0.00016 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Copper, Total                                                     | ND      |           | mg/l  | 0.00150 | 0.00038 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Iron, Total                                                       | ND      |           | mg/l  | 0.0500  | 0.0191  | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Lead, Total                                                       | ND      |           | mg/l  | 0.00100 | 0.00034 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Magnesium, Total                                                  | ND      |           | mg/l  | 0.0700  | 0.0242  | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Manganese, Total                                                  | ND      |           | mg/l  | 0.00100 | 0.00044 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Nickel, Total                                                     | ND      |           | mg/l  | 0.00200 | 0.00055 | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |
| Potassium, Total                                                  | ND      |           | mg/l  | 0.100   | 0.0309  | 1                  | 05/04/18 08:20   | 05/07/18 13:08   | 1,6020A              | AM      |



Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

## Method Blank Analysis Batch Quality Control

|                 |    |      |         |         |   |                |                |         |    |
|-----------------|----|------|---------|---------|---|----------------|----------------|---------|----|
| Selenium, Total | ND | mg/l | 0.00500 | 0.00173 | 1 | 05/04/18 08:20 | 05/07/18 13:08 | 1,6020A | AM |
| Silver, Total   | ND | mg/l | 0.00040 | 0.00016 | 1 | 05/04/18 08:20 | 05/07/18 13:08 | 1,6020A | AM |
| Sodium, Total   | ND | mg/l | 0.100   | 0.0293  | 1 | 05/04/18 08:20 | 05/07/18 13:08 | 1,6020A | AM |
| Thallium, Total | ND | mg/l | 0.00050 | 0.00014 | 1 | 05/04/18 08:20 | 05/07/18 13:08 | 1,6020A | AM |
| Vanadium, Total | ND | mg/l | 0.00500 | 0.00157 | 1 | 05/04/18 08:20 | 05/07/18 13:08 | 1,6020A | AM |
| Zinc, Total     | ND | mg/l | 0.01000 | 0.00341 | 1 | 05/04/18 08:20 | 05/07/18 13:08 | 1,6020A | 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): 01-04,07 Batch: WG1112614-1 |         |           |       |         |         |                 |                |                |                   |         |
| Aluminum, Dissolved                                                         | ND      |           | mg/l  | 0.0100  | 0.00327 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Antimony, Dissolved                                                         | 0.00080 | J         | mg/l  | 0.00400 | 0.00042 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Arsenic, Dissolved                                                          | ND      |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Barium, Dissolved                                                           | ND      |           | mg/l  | 0.00050 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Beryllium, Dissolved                                                        | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Cadmium, Dissolved                                                          | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Calcium, Dissolved                                                          | ND      |           | mg/l  | 0.100   | 0.0394  | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Chromium, Dissolved                                                         | ND      |           | mg/l  | 0.00100 | 0.00017 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Cobalt, Dissolved                                                           | ND      |           | mg/l  | 0.00050 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Copper, Dissolved                                                           | ND      |           | mg/l  | 0.00150 | 0.00038 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Iron, Dissolved                                                             | ND      |           | mg/l  | 0.0500  | 0.0191  | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Lead, Dissolved                                                             | ND      |           | mg/l  | 0.00100 | 0.00034 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Magnesium, Dissolved                                                        | ND      |           | mg/l  | 0.0700  | 0.0242  | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Manganese, Dissolved                                                        | ND      |           | mg/l  | 0.00100 | 0.00044 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Nickel, Dissolved                                                           | ND      |           | mg/l  | 0.00200 | 0.00055 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Potassium, Dissolved                                                        | ND      |           | mg/l  | 0.100   | 0.0309  | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Selenium, Dissolved                                                         | ND      |           | mg/l  | 0.00500 | 0.00173 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Silver, Dissolved                                                           | ND      |           | mg/l  | 0.00040 | 0.00016 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Sodium, Dissolved                                                           | ND      |           | mg/l  | 0.100   | 0.0293  | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Thallium, Dissolved                                                         | ND      |           | mg/l  | 0.00050 | 0.00014 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Vanadium, Dissolved                                                         | ND      |           | mg/l  | 0.00500 | 0.00157 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |
| Zinc, Dissolved                                                             | ND      |           | mg/l  | 0.01000 | 0.00341 | 1               | 05/04/18 10:05 | 05/07/18 15:31 | 1,6020A           | AM      |

Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 3005A

| Parameter                                                                    | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 06 Batch: WG1113002-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Arsenic, TCLP                                                                | ND     |           | mg/l  | 1.00  | 0.019 | 1                  | 05/05/18 15:20   | 05/07/18 18:54   | 1,6010C              | AB      |
| Barium, TCLP                                                                 | ND     |           | mg/l  | 0.500 | 0.021 | 1                  | 05/05/18 15:20   | 05/07/18 18:54   | 1,6010C              | AB      |
| Cadmium, TCLP                                                                | ND     |           | mg/l  | 0.100 | 0.010 | 1                  | 05/05/18 15:20   | 05/07/18 18:54   | 1,6010C              | AB      |
| Chromium, TCLP                                                               | ND     |           | mg/l  | 0.200 | 0.021 | 1                  | 05/05/18 15:20   | 05/07/18 18:54   | 1,6010C              | AB      |
| Lead, TCLP                                                                   | ND     |           | mg/l  | 0.500 | 0.027 | 1                  | 05/05/18 15:20   | 05/07/18 18:54   | 1,6010C              | AB      |
| Selenium, TCLP                                                               | ND     |           | mg/l  | 0.500 | 0.035 | 1                  | 05/05/18 15:20   | 05/07/18 18:54   | 1,6010C              | AB      |
| Silver, TCLP                                                                 | ND     |           | mg/l  | 0.100 | 0.028 | 1                  | 05/05/18 15:20   | 05/07/18 18:54   | 1,6010C              | AB      |

### Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 05/03/18 20:25

| Parameter                                                                    | Result | Qualifier | Units | RL     | MDL    | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|--------|--------|--------------------|------------------|------------------|----------------------|---------|
| TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 06 Batch: WG1113351-1 |        |           |       |        |        |                    |                  |                  |                      |         |
| Mercury, TCLP                                                                | ND     |           | mg/l  | 0.0010 | 0.0003 | 1                  | 05/07/18 15:38   | 05/08/18 15:42   | 1,7470A              | MG      |

### Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 05/03/18 20:25



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-04,07 Batch: WG1112261-2 |                  |      |                   |      |                     |     |      |            |
| Mercury, Dissolved                                                                 | 91               |      | -                 |      | 80-120              | -   |      |            |
| Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1112265-2           |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                     | 81               |      | -                 |      | 80-120              | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|--------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1112539-2 |                  |                   |                     |     |            |
| Aluminum, Total                                                          | 120              | -                 | 80-120              | -   |            |
| Antimony, Total                                                          | 111              | -                 | 80-120              | -   |            |
| Arsenic, Total                                                           | 110              | -                 | 80-120              | -   |            |
| Barium, Total                                                            | 106              | -                 | 80-120              | -   |            |
| Beryllium, Total                                                         | 107              | -                 | 80-120              | -   |            |
| Cadmium, Total                                                           | 116              | -                 | 80-120              | -   |            |
| Calcium, Total                                                           | 98               | -                 | 80-120              | -   |            |
| Chromium, Total                                                          | 99               | -                 | 80-120              | -   |            |
| Cobalt, Total                                                            | 101              | -                 | 80-120              | -   |            |
| Copper, Total                                                            | 95               | -                 | 80-120              | -   |            |
| Iron, Total                                                              | 110              | -                 | 80-120              | -   |            |
| Lead, Total                                                              | 114              | -                 | 80-120              | -   |            |
| Magnesium, Total                                                         | 105              | -                 | 80-120              | -   |            |
| Manganese, Total                                                         | 102              | -                 | 80-120              | -   |            |
| Nickel, Total                                                            | 101              | -                 | 80-120              | -   |            |
| Potassium, Total                                                         | 104              | -                 | 80-120              | -   |            |
| Selenium, Total                                                          | 113              | -                 | 80-120              | -   |            |
| Silver, Total                                                            | 101              | -                 | 80-120              | -   |            |
| Sodium, Total                                                            | 102              | -                 | 80-120              | -   |            |
| Thallium, Total                                                          | 103              | -                 | 80-120              | -   |            |
| Vanadium, Total                                                          | 101              | -                 | 80-120              | -   |            |

**Lab Control Sample Analysis**

Batch Quality Control

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18

| Parameter                                                                | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|--------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1112539-2 |                  |                   |                     |     |            |
| Zinc, Total                                                              | 107              | -                 | 80-120              | -   |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                          | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-04,07 Batch: WG1112614-2 |                  |                   |                     |     |            |
| Aluminum, Dissolved                                                                | 104              | -                 | 80-120              | -   |            |
| Antimony, Dissolved                                                                | 111              | -                 | 80-120              | -   |            |
| Arsenic, Dissolved                                                                 | 110              | -                 | 80-120              | -   |            |
| Barium, Dissolved                                                                  | 108              | -                 | 80-120              | -   |            |
| Beryllium, Dissolved                                                               | 108              | -                 | 80-120              | -   |            |
| Cadmium, Dissolved                                                                 | 116              | -                 | 80-120              | -   |            |
| Calcium, Dissolved                                                                 | 100              | -                 | 80-120              | -   |            |
| Chromium, Dissolved                                                                | 99               | -                 | 80-120              | -   |            |
| Cobalt, Dissolved                                                                  | 103              | -                 | 80-120              | -   |            |
| Copper, Dissolved                                                                  | 94               | -                 | 80-120              | -   |            |
| Iron, Dissolved                                                                    | 110              | -                 | 80-120              | -   |            |
| Lead, Dissolved                                                                    | 115              | -                 | 80-120              | -   |            |
| Magnesium, Dissolved                                                               | 107              | -                 | 80-120              | -   |            |
| Manganese, Dissolved                                                               | 101              | -                 | 80-120              | -   |            |
| Nickel, Dissolved                                                                  | 99               | -                 | 80-120              | -   |            |
| Potassium, Dissolved                                                               | 104              | -                 | 80-120              | -   |            |
| Selenium, Dissolved                                                                | 115              | -                 | 80-120              | -   |            |
| Silver, Dissolved                                                                  | 105              | -                 | 80-120              | -   |            |
| Sodium, Dissolved                                                                  | 101              | -                 | 80-120              | -   |            |
| Thallium, Dissolved                                                                | 106              | -                 | 80-120              | -   |            |
| Vanadium, Dissolved                                                                | 100              | -                 | 80-120              | -   |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                           | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|-------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-04,07 Batch: WG1112614-2  |                  |                   |                     |     |            |
| Zinc, Dissolved                                                                     | 108              | -                 | 80-120              | -   |            |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 06 Batch: WG1113002-2 |                  |                   |                     |     |            |
| Arsenic, TCLP                                                                       | 115              | -                 | 75-125              | -   | 20         |
| Barium, TCLP                                                                        | 106              | -                 | 75-125              | -   | 20         |
| Cadmium, TCLP                                                                       | 112              | -                 | 75-125              | -   | 20         |
| Chromium, TCLP                                                                      | 107              | -                 | 75-125              | -   | 20         |
| Lead, TCLP                                                                          | 109              | -                 | 75-125              | -   | 20         |
| Selenium, TCLP                                                                      | 113              | -                 | 75-125              | -   | 20         |
| Silver, TCLP                                                                        | 117              | -                 | 75-125              | -   | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 06 Batch: WG1113351-2 |                  |                   |                     |     |            |
| Mercury, TCLP                                                                       | 106              | -                 | 80-120              | -   |            |

# **Matrix Spike Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Lab Number:** L1815666

**Project Number:** 190043701

**Report Date:** 05/09/18

| 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): 01-04,07 QC Batch ID: WG1112261-3 QC Sample: L1815666-01 Client ID: MW02_050218 |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Dissolved                                                                                                                     | ND            | 0.005    | 0.00402  | 80           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1112265-3 QC Sample: L1815645-09 Client ID: MS Sample             |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Total                                                                                                                         | 0.00013J      | 0.005    | 0.00451  | 90           |      | -         | -             |      | 75-125          | -   |      | 20         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1815666

Report Date: 05/09/18

| 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    QC Batch ID: WG1112539-3    QC Sample: L1815780-01    Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Aluminum, Total                                                                                                                     | 0.0363        | 2        | 2.07     | 102          | -         | -             | 75-125          | -   | 20         |
| Antimony, Total                                                                                                                     | 0.00079J      | 0.5      | 0.6375   | 128          | Q         | -             | 75-125          | -   | 20         |
| Arsenic, Total                                                                                                                      | 0.00028J      | 0.12     | 0.1300   | 108          | -         | -             | 75-125          | -   | 20         |
| Barium, Total                                                                                                                       | 0.03337       | 2        | 2.081    | 102          | -         | -             | 75-125          | -   | 20         |
| Beryllium, Total                                                                                                                    | ND            | 0.05     | 0.05393  | 108          | -         | -             | 75-125          | -   | 20         |
| Cadmium, Total                                                                                                                      | 0.00025       | 0.051    | 0.05806  | 113          | -         | -             | 75-125          | -   | 20         |
| Calcium, Total                                                                                                                      | 62.9          | 10       | 70.4     | 75           | -         | -             | 75-125          | -   | 20         |
| Chromium, Total                                                                                                                     | 0.00029J      | 0.2      | 0.1970   | 98           | -         | -             | 75-125          | -   | 20         |
| Cobalt, Total                                                                                                                       | ND            | 0.5      | 0.4874   | 97           | -         | -             | 75-125          | -   | 20         |
| Copper, Total                                                                                                                       | 0.00087J      | 0.25     | 0.2319   | 93           | -         | -             | 75-125          | -   | 20         |
| Iron, Total                                                                                                                         | 0.128         | 1        | 1.06     | 93           | -         | -             | 75-125          | -   | 20         |
| Lead, Total                                                                                                                         | ND            | 0.51     | 0.5502   | 108          | -         | -             | 75-125          | -   | 20         |
| Magnesium, Total                                                                                                                    | 3.19          | 10       | 13.6     | 104          | -         | -             | 75-125          | -   | 20         |
| Manganese, Total                                                                                                                    | 1.029         | 0.5      | 1.442    | 83           | -         | -             | 75-125          | -   | 20         |
| Nickel, Total                                                                                                                       | 0.00056J      | 0.5      | 0.4848   | 97           | -         | -             | 75-125          | -   | 20         |
| Potassium, Total                                                                                                                    | 0.529         | 10       | 10.6     | 101          | -         | -             | 75-125          | -   | 20         |
| Selenium, Total                                                                                                                     | ND            | 0.12     | 0.128    | 107          | -         | -             | 75-125          | -   | 20         |
| Silver, Total                                                                                                                       | ND            | 0.05     | 0.04889  | 98           | -         | -             | 75-125          | -   | 20         |
| Sodium, Total                                                                                                                       | 0.635         | 10       | 9.78     | 91           | -         | -             | 75-125          | -   | 20         |
| Thallium, Total                                                                                                                     | ND            | 0.12     | 0.1148   | 96           | -         | -             | 75-125          | -   | 20         |
| Vanadium, Total                                                                                                                     | ND            | 0.5      | 0.4727   | 94           | -         | -             | 75-125          | -   | 20         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| 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 QC Batch ID: WG1112539-3 QC Sample: L1815780-01 Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Zinc, Total                                                                                                                | 0.00815J      | 0.5      | 0.5473   | 109          | -         | -             | 75-125          | -   | 20         |



# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| 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): 01-04,07 QC Batch ID: WG1112614-3 QC Sample: L1815666-01 Client ID: MW02_050218 |               |          |          |              |           |               |                 |     |            |
| Aluminum, Dissolved                                                                                                                    | 0.0194        | 2        | 2.21     | 110          | -         | -             | 75-125          | -   | 20         |
| Antimony, Dissolved                                                                                                                    | 0.00120J      | 0.5      | 0.6288   | 126          | Q         | -             | 75-125          | -   | 20         |
| Arsenic, Dissolved                                                                                                                     | 0.00432       | 0.12     | 0.1359   | 110          | -         | -             | 75-125          | -   | 20         |
| Barium, Dissolved                                                                                                                      | 0.1417        | 2        | 2.354    | 111          | -         | -             | 75-125          | -   | 20         |
| Beryllium, Dissolved                                                                                                                   | ND            | 0.05     | 0.05624  | 112          | -         | -             | 75-125          | -   | 20         |
| Cadmium, Dissolved                                                                                                                     | ND            | 0.051    | 0.06152  | 121          | -         | -             | 75-125          | -   | 20         |
| Calcium, Dissolved                                                                                                                     | 179.          | 10       | 187      | 80           | -         | -             | 75-125          | -   | 20         |
| Chromium, Dissolved                                                                                                                    | 0.00193       | 0.2      | 0.2085   | 103          | -         | -             | 75-125          | -   | 20         |
| Cobalt, Dissolved                                                                                                                      | 0.00026J      | 0.5      | 0.5236   | 105          | -         | -             | 75-125          | -   | 20         |
| Copper, Dissolved                                                                                                                      | ND            | 0.25     | 0.2447   | 98           | -         | -             | 75-125          | -   | 20         |
| Iron, Dissolved                                                                                                                        | 8.23          | 1        | 9.30     | 107          | -         | -             | 75-125          | -   | 20         |
| Lead, Dissolved                                                                                                                        | 0.00682       | 0.51     | 0.5998   | 116          | -         | -             | 75-125          | -   | 20         |
| Magnesium, Dissolved                                                                                                                   | 119.          | 10       | 152      | 330          | Q         | -             | 75-125          | -   | 20         |
| Manganese, Dissolved                                                                                                                   | 3.519         | 0.5      | 3.988    | 94           | -         | -             | 75-125          | -   | 20         |
| Nickel, Dissolved                                                                                                                      | 0.00096J      | 0.5      | 0.5205   | 104          | -         | -             | 75-125          | -   | 20         |
| Potassium, Dissolved                                                                                                                   | 36.7          | 10       | 48.0     | 113          | -         | -             | 75-125          | -   | 20         |
| Selenium, Dissolved                                                                                                                    | ND            | 0.12     | 0.116    | 97           | -         | -             | 75-125          | -   | 20         |
| Silver, Dissolved                                                                                                                      | ND            | 0.05     | 0.05199  | 104          | -         | -             | 75-125          | -   | 20         |
| Sodium, Dissolved                                                                                                                      | 299.          | 10       | 310      | 110          | -         | -             | 75-125          | -   | 20         |
| Thallium, Dissolved                                                                                                                    | ND            | 0.12     | 0.1260   | 105          | -         | -             | 75-125          | -   | 20         |
| Vanadium, Dissolved                                                                                                                    | 0.00366J      | 0.5      | 0.5365   | 107          | -         | -             | 75-125          | -   | 20         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

| 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): 01-04,07 QC Batch ID: WG1112614-3 QC Sample: L1815666-01 Client ID: MW02_050218        |               |          |          |              |           |               |                 |     |            |
| Zinc, Dissolved                                                                                                                               | ND            | 0.5      | 0.5460   | 109          | -         | -             | 75-125          | -   | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1113002-3 QC Sample: L1815666-06 Client ID: WC_RI_DRUM_050218 |               |          |          |              |           |               |                 |     |            |
| Arsenic, TCLP                                                                                                                                 | ND            | 1.2      | 1.45     | 121          | -         | -             | 75-125          | -   | 20         |
| Barium, TCLP                                                                                                                                  | 0.339J        | 20       | 22.3     | 112          | -         | -             | 75-125          | -   | 20         |
| Cadmium, TCLP                                                                                                                                 | ND            | 0.51     | 0.591    | 116          | -         | -             | 75-125          | -   | 20         |
| Chromium, TCLP                                                                                                                                | ND            | 2        | 2.22     | 111          | -         | -             | 75-125          | -   | 20         |
| Lead, TCLP                                                                                                                                    | 0.209J        | 5.1      | 5.96     | 117          | -         | -             | 75-125          | -   | 20         |
| Selenium, TCLP                                                                                                                                | ND            | 1.2      | 1.41     | 118          | -         | -             | 75-125          | -   | 20         |
| Silver, TCLP                                                                                                                                  | ND            | 0.5      | 0.612    | 122          | -         | -             | 75-125          | -   | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1113351-3 QC Sample: L1815666-06 Client ID: WC_RI_DRUM_050218 |               |          |          |              |           |               |                 |     |            |
| Mercury, TCLP                                                                                                                                 | ND            | 0.025    | 0.0264   | 106          | -         | -             | 80-120          | -   | 20         |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

## Lab Duplicate Analysis

Batch Quality Control

**Lab Number:** L1815666  
**Report Date:** 05/09/18

| Parameter                                                                                                                              | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-04,07 QC Batch ID: WG1112261-4 QC Sample: L1815666-01 Client ID: MW02_050218 |               |                  |       |     |      |            |
| Mercury, Dissolved                                                                                                                     | ND            | 0.00007J         | mg/l  | NC  |      | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1112265-4 QC Sample: L1815645-09 Client ID: DUP Sample            |               |                  |       |     |      |            |
| Mercury, Total                                                                                                                         | 0.00013J      | 0.00018J         | mg/l  | NC  |      | 20         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815666

**Report Date:** 05/09/18

| Parameter                                                                                                                   | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1112539-4 QC Sample: L1815780-01 Client ID: DUP Sample |               |                  |       |     |            |
| Aluminum, Total                                                                                                             | 0.0363        | 0.0382           | mg/l  | 5   | 20         |
| Antimony, Total                                                                                                             | 0.00079J      | 0.00145J         | mg/l  | NC  | 20         |
| Arsenic, Total                                                                                                              | 0.00028J      | 0.00028J         | mg/l  | NC  | 20         |
| Barium, Total                                                                                                               | 0.03337       | 0.03483          | mg/l  | 4   | 20         |
| Beryllium, Total                                                                                                            | ND            | ND               | mg/l  | NC  | 20         |
| Cadmium, Total                                                                                                              | 0.00025       | 0.00026          | mg/l  | 4   | 20         |
| Calcium, Total                                                                                                              | 62.9          | 66.4             | mg/l  | 5   | 20         |
| Chromium, Total                                                                                                             | 0.00029J      | 0.00037J         | mg/l  | NC  | 20         |
| Cobalt, Total                                                                                                               | ND            | ND               | mg/l  | NC  | 20         |
| Copper, Total                                                                                                               | 0.00087J      | 0.00142J         | mg/l  | NC  | 20         |
| Iron, Total                                                                                                                 | 0.128         | 0.127            | mg/l  | 1   | 20         |
| Lead, Total                                                                                                                 | ND            | ND               | mg/l  | NC  | 20         |
| Magnesium, Total                                                                                                            | 3.19          | 3.40             | mg/l  | 6   | 20         |
| Manganese, Total                                                                                                            | 1.029         | 1.020            | mg/l  | 1   | 20         |
| Nickel, Total                                                                                                               | 0.00056J      | 0.00065J         | mg/l  | NC  | 20         |
| Potassium, Total                                                                                                            | 0.529         | 0.554            | mg/l  | 5   | 20         |
| Selenium, Total                                                                                                             | ND            | ND               | mg/l  | NC  | 20         |
| Silver, Total                                                                                                               | ND            | ND               | mg/l  | NC  | 20         |
| Sodium, Total                                                                                                               | 0.635         | 0.698            | mg/l  | 9   | 20         |

Project Name: 551 GREENWICH STREET

Project Number: 190043701

# Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1815666

Report Date: 05/09/18

| Parameter                                                                                                                   | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1112539-4 QC Sample: L1815780-01 Client ID: DUP Sample |               |                  |       |     |            |
| Thallium, Total                                                                                                             | ND            | ND               | mg/l  | NC  | 20         |
| Vanadium, Total                                                                                                             | ND            | ND               | mg/l  | NC  | 20         |
| Zinc, Total                                                                                                                 | 0.00815J      | 0.00782J         | mg/l  | NC  | 20         |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Lab Number:** L1815666  
**Report Date:** 05/09/18

| Parameter                                                                                                                              | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-04,07 QC Batch ID: WG1112614-4 QC Sample: L1815666-01 Client ID: MW02_050218 |               |                  |       |     |            |
| Aluminum, Dissolved                                                                                                                    | 0.0194        | 0.0176           | mg/l  | 10  | 20         |
| Antimony, Dissolved                                                                                                                    | 0.00120J      | 0.00218J         | mg/l  | NC  | 20         |
| Arsenic, Dissolved                                                                                                                     | 0.00432       | 0.00455          | mg/l  | 5   | 20         |
| Barium, Dissolved                                                                                                                      | 0.1417        | 0.1448           | mg/l  | 2   | 20         |
| Beryllium, Dissolved                                                                                                                   | ND            | ND               | mg/l  | NC  | 20         |
| Cadmium, Dissolved                                                                                                                     | ND            | ND               | mg/l  | NC  | 20         |
| Calcium, Dissolved                                                                                                                     | 179.          | 183              | mg/l  | 2   | 20         |
| Chromium, Dissolved                                                                                                                    | 0.00193       | 0.00180          | mg/l  | 7   | 20         |
| Cobalt, Dissolved                                                                                                                      | 0.00026J      | 0.00022J         | mg/l  | NC  | 20         |
| Copper, Dissolved                                                                                                                      | ND            | ND               | mg/l  | NC  | 20         |
| Iron, Dissolved                                                                                                                        | 8.23          | 8.20             | mg/l  | 0   | 20         |
| Lead, Dissolved                                                                                                                        | 0.00682       | 0.00666          | mg/l  | 2   | 20         |
| Magnesium, Dissolved                                                                                                                   | 119.          | 122              | mg/l  | 2   | 20         |
| Manganese, Dissolved                                                                                                                   | 3.519         | 3.511            | mg/l  | 0   | 20         |
| Nickel, Dissolved                                                                                                                      | 0.00096J      | 0.00131J         | mg/l  | NC  | 20         |
| Potassium, Dissolved                                                                                                                   | 36.7          | 38.2             | mg/l  | 4   | 20         |
| Selenium, Dissolved                                                                                                                    | ND            | ND               | mg/l  | NC  | 20         |
| Silver, Dissolved                                                                                                                      | ND            | ND               | mg/l  | NC  | 20         |
| Sodium, Dissolved                                                                                                                      | 299.          | 302              | mg/l  | 1   | 20         |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Lab Number:** L1815666  
**Report Date:** 05/09/18

| Parameter                                                                                                                                     | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-04,07 QC Batch ID: WG1112614-4 QC Sample: L1815666-01 Client ID: MW02_050218        |               |                  |       |     |            |
| Thallium, Dissolved                                                                                                                           | ND            | ND               | mg/l  | NC  | 20         |
| Vanadium, Dissolved                                                                                                                           | 0.00366J      | 0.00385J         | mg/l  | NC  | 20         |
| Zinc, Dissolved                                                                                                                               | ND            | ND               | mg/l  | NC  | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1113002-4 QC Sample: L1815666-06 Client ID: WC_RI_DRUM_050218 |               |                  |       |     |            |
| Arsenic, TCLP                                                                                                                                 | ND            | ND               | mg/l  | NC  | 20         |
| Barium, TCLP                                                                                                                                  | 0.339J        | 0.373J           | mg/l  | NC  | 20         |
| Cadmium, TCLP                                                                                                                                 | ND            | ND               | mg/l  | NC  | 20         |
| Chromium, TCLP                                                                                                                                | ND            | ND               | mg/l  | NC  | 20         |
| Lead, TCLP                                                                                                                                    | 0.209J        | 0.213J           | mg/l  | NC  | 20         |
| Selenium, TCLP                                                                                                                                | ND            | ND               | mg/l  | NC  | 20         |
| Silver, TCLP                                                                                                                                  | ND            | ND               | mg/l  | NC  | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1113351-4 QC Sample: L1815666-06 Client ID: WC_RI_DRUM_050218 |               |                  |       |     |            |
| Mercury, TCLP                                                                                                                                 | ND            | ND               | mg/l  | NC  | 20         |

# **INORGANICS & MISCELLANEOUS**



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815666  
**Report Date:** 05/09/18

**SAMPLE RESULTS**

**Lab ID:** L1815666-06  
**Client ID:** WC\_RI\_DRUM\_050218  
**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY

**Date Collected:** 05/02/18 14:30  
**Date Received:** 05/02/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

**Test Material Information**

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Damp Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

| Parameter                                | Result | Date Analyzed  | Analytical Method | Analyst |
|------------------------------------------|--------|----------------|-------------------|---------|
| Ignitability of Solids - Westborough Lab |        |                |                   |         |
| Ignitability                             | NI     | 05/04/18 07:50 | 1,1030            | GD      |



**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18**SAMPLE RESULTS****Lab ID:** L1815666-06**Client ID:** WC\_RI\_DRUM\_050218**Sample Location:** 551 GREENWICH ST., MANHATTAN, NY**Date Collected:** 05/02/18 14:30**Date Received:** 05/02/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result   | Qualifier | Units | RL | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|----------|-----------|-------|----|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |          |           |       |    |     |                    |                  |                  |                      |         |
| pH (H)                              | 8.8      |           | SU    | -  | NA  | 1                  | -                | 05/03/18 08:01   | 1,9045D              | MA      |
| Cyanide, Reactive                   | ND       |           | mg/kg | 10 | 10. | 1                  | 05/04/18 02:35   | 05/04/18 04:21   | 125,7.3              | JD      |
| Sulfide, Reactive                   | ND       |           | mg/kg | 10 | 10. | 1                  | 05/04/18 02:35   | 05/04/18 04:30   | 125,7.3              | JD      |
| Paint Filter Liquid                 | NEGATIVE |           | -     | 0  | NA  | 1                  | -                | 05/03/18 17:40   | 1,9095B              | AS      |



Project Name: 551 GREENWICH STREET

Lab Number: L1815666

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

| Parameter                                                                | Result | Qualifier | Units | RL | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab for sample(s): 06 Batch: WG1112475-1 |        |           |       |    |     |                    |                  |                  |                      |         |
| Sulfide, Reactive                                                        | ND     |           | mg/kg | 10 | 10. | 1                  | 05/04/18 02:35   | 05/04/18 04:29   | 125,7.3              | JD      |
| General Chemistry - Westborough Lab for sample(s): 06 Batch: WG1112476-1 |        |           |       |    |     |                    |                  |                  |                      |         |
| Cyanide, Reactive                                                        | ND     |           | mg/kg | 10 | 10. | 1                  | 05/04/18 02:35   | 05/04/18 04:20   | 125,7.3              | JD      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815666**Report Date:** 05/09/18

| Parameter                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG1112142-1 |                  |      |                   |      |                     |     |      |            |
| pH                                                                              | 100              |      | -                 |      | 99-101              | -   |      |            |
| General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG1112475-2 |                  |      |                   |      |                     |     |      |            |
| Sulfide, Reactive                                                               | 112              |      | -                 |      | 60-125              | -   |      | 40         |
| General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG1112476-2 |                  |      |                   |      |                     |     |      |            |
| Cyanide, Reactive                                                               | 58               |      | -                 |      | 30-125              | -   |      | 40         |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

## Lab Duplicate Analysis

Batch Quality Control

**Lab Number:** L1815666  
**Report Date:** 05/09/18

| Parameter                                                                                                                                 | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG1112142-2 QC Sample: L1815666-06 Client ID: WC_RI_DRUM_050218 |               |                  |       |     |      |            |
| pH (H)                                                                                                                                    | 8.8           | 8.9              | SU    | 1   |      | 5          |
| General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG1112475-3 QC Sample: L1815636-04 Client ID: DUP Sample        |               |                  |       |     |      |            |
| Sulfide, Reactive                                                                                                                         | ND            | ND               | mg/kg | NC  |      | 40         |
| General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG1112476-3 QC Sample: L1815636-04 Client ID: DUP Sample        |               |                  |       |     |      |            |
| Cyanide, Reactive                                                                                                                         | ND            | ND               | mg/kg | NC  |      | 40         |

**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815666**Project Number:** 190043701**Report Date:** 05/09/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

| <b>Cooler</b> | <b>Custody Seal</b> |
|---------------|---------------------|
| A             | Absent              |
| B             | Absent              |
| C             | Absent              |
| D             | Absent              |

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>        | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                                                                                         |
|---------------------|------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1815666-01A        | Vial HCl preserved           | B             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-01B        | Vial HCl preserved           | B             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-01C        | Vial HCl preserved           | B             | NA                |                 | 2.6               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-01D        | Plastic 250ml HNO3 preserved | B             | <2                | <2              | 2.6               | 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) |
| L1815666-01E        | Amber 500ml unpreserved      | B             | 7                 | 7               | 2.6               | Y           | Absent      |                         | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-01F        | Amber 500ml unpreserved      | B             | 7                 | 7               | 2.6               | Y           | Absent      |                         | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-01G        | Amber 1000ml unpreserved     | B             | 7                 | 7               | 2.6               | Y           | Absent      |                         | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-01H        | Amber 1000ml unpreserved     | B             | 7                 | 7               | 2.6               | Y           | Absent      |                         | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-01I        | Amber 1000ml unpreserved     | B             | 7                 | 7               | 2.6               | Y           | Absent      |                         | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-01J        | Amber 1000ml unpreserved     | B             | 7                 | 7               | 2.6               | Y           | Absent      |                         | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-02A        | Vial HCl preserved           | C             | NA                |                 | 3.9               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-02B        | Vial HCl preserved           | C             | NA                |                 | 3.9               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-02C        | Vial HCl preserved           | C             | NA                |                 | 3.9               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |

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**Container Information**

| Container ID | Container Type               | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1815666-02D | Plastic 250ml HNO3 preserved | C      | <2         | <2       | 3.9        | 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) |
| L1815666-02E | Amber 500ml unpreserved      | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-02F | Amber 500ml unpreserved      | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-02G | Amber 1000ml unpreserved     | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-02H | Amber 1000ml unpreserved     | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-02I | Amber 1000ml unpreserved     | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-02J | Amber 1000ml unpreserved     | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-03A | Vial HCl preserved           | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-03B | Vial HCl preserved           | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-03C | Vial HCl preserved           | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-03D | Plastic 250ml HNO3 preserved | C      | <2         | <2       | 3.9        | 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) |
| L1815666-03E | Amber 500ml unpreserved      | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-03F | Amber 500ml unpreserved      | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-03G | Amber 1000ml unpreserved     | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-03H | Amber 1000ml unpreserved     | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-03I | Amber 1000ml unpreserved     | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-03J | Amber 1000ml unpreserved     | C      | 7          | 7        | 3.9        | Y    | Absent |                  | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-04A | Vial HCl preserved           | D      | NA         |          | 4.8        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-04B | Vial HCl preserved           | D      | NA         |          | 4.8        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-04C | Vial HCl preserved           | D      | NA         |          | 4.8        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |

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**Container Information**

| Container ID | Container Type                     | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1815666-04D | Plastic 250ml HNO3 preserved       | D      | <2         | <2       | 4.8        | 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) |
| L1815666-04E | Amber 500ml unpreserved            | D      | 7          | 7        | 4.8        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-04F | Amber 500ml unpreserved            | D      | 7          | 7        | 4.8        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-04G | Amber 1000ml unpreserved           | D      | 7          | 7        | 4.8        | Y    | Absent |                  | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-04H | Amber 1000ml unpreserved           | D      | 7          | 7        | 4.8        | Y    | Absent |                  | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-04I | Amber 1000ml unpreserved           | D      | 7          | 7        | 4.8        | Y    | Absent |                  | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-04J | Amber 1000ml unpreserved           | D      | 7          | 7        | 4.8        | Y    | Absent |                  | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-05A | Vial HCl preserved                 | A      | NA         |          | 3.1        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-05B | Vial HCl preserved                 | A      | NA         |          | 3.1        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-05C | Vial HCl preserved                 | A      | NA         |          | 3.1        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-05D | Plastic 250ml HNO3 preserved       | A      | <2         | <2       | 3.1        | 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) |
| L1815666-05E | Amber 120ml unpreserved            | A      | 7          | 7        | 3.1        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-05F | Amber 120ml unpreserved            | A      | 7          | 7        | 3.1        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-05G | Amber 1000ml unpreserved           | A      | 7          | 7        | 3.1        | Y    | Absent |                  | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-05H | Amber 1000ml unpreserved           | A      | 7          | 7        | 3.1        | Y    | Absent |                  | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-05I | Amber 1000ml unpreserved           | A      | 7          | 7        | 3.1        | Y    | Absent |                  | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-05J | Amber 1000ml unpreserved           | A      | 7          | 7        | 3.1        | Y    | Absent |                  | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-06A | Vial Large Septa unpreserved (4oz) | D      | NA         |          | 4.8        | Y    | Absent |                  | TCLP-EXT-ZHE(14)                                                                                                                                                                                                                                                                                                           |
| L1815666-06B | Glass 500ml/16oz unpreserved       | D      | NA         |          | 4.8        | Y    | Absent |                  | IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14)                                                                                                                                                                                                                                                                  |
| L1815666-06S | Vial unpreserved Extracts          | D      | NA         |          | 4.8        | Y    | Absent |                  | TCLP-VOA(14)                                                                                                                                                                                                                                                                                                               |



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**Container Information**

| Container ID  | Container Type                        | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|---------------|---------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1815666-06T  | Vial unpreserved Extracts             | D      | NA         |          | 4.8        | Y    | Absent |                  | TCLP-VOA(14)                                                                                                                                                                                                                                                                                                               |
| L1815666-06X  | Plastic 250ml HNO3 preserved Extracts | D      | NA         |          | 4.8        | 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)                                                                                                                                                                                                                                      |
| L1815666-06X9 | Tumble Vessel                         | D      | NA         |          | 4.8        | Y    | Absent |                  | -                                                                                                                                                                                                                                                                                                                          |
| L1815666-07A  | Vial HCl preserved                    | B      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-07B  | Vial HCl preserved                    | B      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-07C  | Vial HCl preserved                    | B      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-07D  | Plastic 250ml HNO3 preserved          | B      | <2         | <2       | 2.6        | 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) |
| L1815666-07E  | Amber 500ml unpreserved               | B      | 7          | 7        | 2.6        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-07F  | Amber 500ml unpreserved               | B      | 7          | 7        | 2.6        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1815666-07G  | Amber 1000ml unpreserved              | B      | 7          | 7        | 2.6        | Y    | Absent |                  | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-07H  | Amber 1000ml unpreserved              | B      | 7          | 7        | 2.6        | Y    | Absent |                  | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1815666-07I  | Amber 1000ml unpreserved              | B      | 7          | 7        | 2.6        | Y    | Absent |                  | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-07J  | Amber 1000ml unpreserved              | B      | 7          | 7        | 2.6        | Y    | Absent |                  | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1815666-08A  | Vial HCl preserved                    | B      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-08B  | Vial HCl preserved                    | B      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-08C  | Vial HCl preserved                    | B      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-08D  | Vial HCl preserved                    | B      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-08E  | Vial HCl preserved                    | B      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1815666-08F  | Vial HCl preserved                    | B      | NA         |          | 2.6        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |

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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).                        |
| 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.                                                                                                                                                                                                                                                                                                                                                                                               |
| 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.

### 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

**Report Format:** DU Report with 'J' Qualifiers



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#### Data Qualifiers

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.

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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

## 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.




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Published Date: 1/8/2018 4:15:49 PM

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**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, NO<sub>2</sub>, NO<sub>3</sub>.**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.

|                                                                                                                                                                                                                    |                   |                                                                                                                                                                      |       |                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|----------------------------------|
|  <b>NEW YORK CHAIN OF CUSTODY</b><br>Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193               |                   | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105              |       | Page <u>1</u><br>of <u>1</u>                                                                                                                                                                                                                                                                                                                                               |                    | Date Rec'd in Lab <u>5/2/18</u>                                                                                                                                                                                           |            | ALPHA Job # <u>L1815666</u> |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
|                                                                                                                                                                                                                    |                   | <b>Project Information</b><br>Project Name: <u>551 Greenwich Street</u><br>Project Location: <u>551 Greenwich Street, Manhattan NY</u><br>Project # <u>190043701</u> |       | <b>Deliverables</b><br><input checked="" type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B<br><input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)<br><input type="checkbox"/> Other                                                                                                                                                       |                    | <b>Billing Information</b><br><input type="checkbox"/> Same as Client Info<br>PO #                                                                                                                                        |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| <b>Client Information</b><br>Client: <u>360 W 34th Street, Manhattan NY</u><br>Address: <u>360 W 34th Street, Manhattan NY</u><br>Phone: <u>212-479-5400</u><br>Fax: <u></u><br>Email: <u>puncumhan@langan.com</u> |                   | (Use Project name as Project #) <input type="checkbox"/><br>Project Manager: <u>Paul McMahon</u><br>ALPHAQuote #: <u></u>                                            |       | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input checked="" type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge |                    | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| <b>Turn-Around Time</b><br>Standard <input checked="" type="checkbox"/> Due Date:<br>Rush (only if pre approved) <input type="checkbox"/> # of Days:                                                               |                   | <b>ANALYSIS</b>                                                                                                                                                      |       | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do Preservation<br><input type="checkbox"/> Lab to do<br>(Please Specify below)                                                                                                                                                                                               |                    | Total Bottles                                                                                                                                                                                                             |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:                                                                                     |                   | Please specify Metals or TAL.                                                                                                                                        |       | Sample Specific Comments                                                                                                                                                                                                                                                                                                                                                   |                    |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| ALPHA Lab ID (Lab Use Only)                                                                                                                                                                                        | Sample ID         | Collection<br>Date    Time                                                                                                                                           |       | Sample Matrix                                                                                                                                                                                                                                                                                                                                                              | Sampler's Initials | VOCs 8260                                                                                                                                                                                                                 | SVOCs 8270 | Pesticides                  | PCBs | Total Metals                                                                                                                                                                                                                                                                 | Dissolved Metals | TUAP VOCs | TUAP Metals/PCBs/Pesticides/PAHs |
| 15466-01                                                                                                                                                                                                           | MW02-050218       | 5/2/18                                                                                                                                                               | 12:15 | Water                                                                                                                                                                                                                                                                                                                                                                      | KT                 | ✓                                                                                                                                                                                                                         | ✓          | ✓                           | ✓    | ✓                                                                                                                                                                                                                                                                            | ✓                |           |                                  |
| 02                                                                                                                                                                                                                 | MW03-050218       |                                                                                                                                                                      | 9:30  |                                                                                                                                                                                                                                                                                                                                                                            | KT                 | ✓                                                                                                                                                                                                                         | ✓          | ✓                           | ✓    | ✓                                                                                                                                                                                                                                                                            |                  |           |                                  |
| 03                                                                                                                                                                                                                 | MW04-050218       |                                                                                                                                                                      | 8:20  |                                                                                                                                                                                                                                                                                                                                                                            | KT                 | ✓                                                                                                                                                                                                                         | ✓          | ✓                           | ✓    | ✓                                                                                                                                                                                                                                                                            |                  |           |                                  |
| 04                                                                                                                                                                                                                 | MW06-050218       |                                                                                                                                                                      | 14:00 |                                                                                                                                                                                                                                                                                                                                                                            | KT                 | ✓                                                                                                                                                                                                                         | ✓          | ✓                           | ✓    | ✓                                                                                                                                                                                                                                                                            |                  |           |                                  |
| 05                                                                                                                                                                                                                 | Field Blank       |                                                                                                                                                                      | 10:00 |                                                                                                                                                                                                                                                                                                                                                                            | KT                 | ✓                                                                                                                                                                                                                         | ✓          | ✓                           | ✓    | ✓                                                                                                                                                                                                                                                                            |                  |           |                                  |
| 06                                                                                                                                                                                                                 | WL-RT-DRUM-050218 |                                                                                                                                                                      | 14:30 | Soil                                                                                                                                                                                                                                                                                                                                                                       | KT                 |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              | ✓                | ✓         |                                  |
| 07                                                                                                                                                                                                                 | DV01-050218       | 5/2/18                                                                                                                                                               | 12:30 | Water                                                                                                                                                                                                                                                                                                                                                                      | KT                 | ✓                                                                                                                                                                                                                         | ✓          | ✓                           | ✓    |                                                                                                                                                                                                                                                                              | ✓                |           |                                  |
| Preservative Code:                                                                                                                                                                                                 |                   | Container Code                                                                                                                                                       |       | Westboro: Certification No: MA935                                                                                                                                                                                                                                                                                                                                          |                    | Container Type                                                                                                                                                                                                            |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| A = None                                                                                                                                                                                                           |                   | P = Plastic                                                                                                                                                          |       | Mansfield: Certification No: MA015                                                                                                                                                                                                                                                                                                                                         |                    | Preservative                                                                                                                                                                                                              |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| B = HCl                                                                                                                                                                                                            |                   | A = Amber Glass                                                                                                                                                      |       |                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| C = HNO <sub>3</sub>                                                                                                                                                                                               |                   | V = Vial                                                                                                                                                             |       |                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| D = H <sub>2</sub> SO <sub>4</sub>                                                                                                                                                                                 |                   | G = Glass                                                                                                                                                            |       |                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| E = NaOH                                                                                                                                                                                                           |                   | B = Bacteria Cup                                                                                                                                                     |       |                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| F = MeOH                                                                                                                                                                                                           |                   | C = Cube                                                                                                                                                             |       |                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| G = NaHSO <sub>4</sub>                                                                                                                                                                                             |                   | O = Other                                                                                                                                                            |       |                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>                                                                                                                                                                  |                   | E = Encore                                                                                                                                                           |       |                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| K/E = Zn Ac/NaOH                                                                                                                                                                                                   |                   | D = BOD Bottle                                                                                                                                                       |       |                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| O = Other                                                                                                                                                                                                          |                   |                                                                                                                                                                      |       |                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                                                                                           |            |                             |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
| Form No: 01-25 HC (rev. 30-Sept-2013)                                                                                                                                                                              |                   | Relinquished By:                                                                                                                                                     |       | Date/Time                                                                                                                                                                                                                                                                                                                                                                  |                    | Received By:                                                                                                                                                                                                              |            | Date/Time                   |      | 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.) |                  |           |                                  |
|                                                                                                                                                                                                                    |                   | K/E Twombly                                                                                                                                                          |       | 5/2/18                                                                                                                                                                                                                                                                                                                                                                     |                    | Daniel Jackson                                                                                                                                                                                                            |            | 5/2/18                      |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |
|                                                                                                                                                                                                                    |                   | Daniel Santos                                                                                                                                                        |       | 5/2/18 2320                                                                                                                                                                                                                                                                                                                                                                |                    | Daniel Santos                                                                                                                                                                                                             |            | 5/2/18 2320                 |      |                                                                                                                                                                                                                                                                              |                  |           |                                  |





## ANALYTICAL REPORT

|                 |                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------|
| Lab Number:     | L1815733                                                                                                        |
| Client:         | Langan Engineering & Environmental<br>21 Penn Plaza<br>360 W. 31st Street, 8th Floor<br>New York, NY 10001-2727 |
| ATTN:           | Paul McMahon                                                                                                    |
| Phone:          | (212) 479-5429                                                                                                  |
| Project Name:   | 551 GREENWICH STREET                                                                                            |
| Project Number: | 190043701                                                                                                       |
| Report Date:    | 05/09/18                                                                                                        |

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).

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320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815733  
**Report Date:** 05/09/18

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b>     | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|--------------------------------|---------------------------------|---------------------|
| L1815733-01                | SV01_050218      | SOIL_VAPOR    | 551 GREENWICH ST, MANHATTAN NY | 05/02/18 12:00                  | 05/02/18            |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815733  
**Report Date:** 05/09/18

### 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.

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**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815733  
**Report Date:** 05/09/18

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on May 2, 2018. The canister certification results are provided as an addendum.

The WG1113310-3 LCS recoveries for bromoform (133%), 1,2,4-trichlorobenzene (154%), 1,2,3-trichlorobenzene (144%) and hexachlorobutadiene (154%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

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: 05/09/18

**AIR**

**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1815733**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815733-01  
 Client ID: SV01\_050218  
 Sample Location: 551 GREENWICH ST, MANHATTAN NY

Date Collected: 05/02/18 12:00  
 Date Received: 05/02/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 05/08/18 00:00  
 Analyst: MB

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Dichlorodifluoromethane                  | 0.437   | 0.200 | --  | 2.16    | 0.989 | --  |           | 1               |
| Chloromethane                            | 0.457   | 0.200 | --  | 0.944   | 0.413 | --  |           | 1               |
| Freon-114                                | ND      | 0.200 | --  | ND      | 1.40  | --  |           | 1               |
| Vinyl chloride                           | ND      | 0.200 | --  | ND      | 0.511 | --  |           | 1               |
| 1,3-Butadiene                            | 0.560   | 0.200 | --  | 1.24    | 0.442 | --  |           | 1               |
| Bromomethane                             | ND      | 0.200 | --  | ND      | 0.777 | --  |           | 1               |
| Chloroethane                             | ND      | 0.200 | --  | ND      | 0.528 | --  |           | 1               |
| Ethanol                                  | 31.3    | 5.00  | --  | 59.0    | 9.42  | --  |           | 1               |
| Vinyl bromide                            | ND      | 0.200 | --  | ND      | 0.874 | --  |           | 1               |
| Acetone                                  | 104     | 1.00  | --  | 247     | 2.38  | --  |           | 1               |
| Trichlorofluoromethane                   | 0.324   | 0.200 | --  | 1.82    | 1.12  | --  |           | 1               |
| Isopropanol                              | 6.88    | 0.500 | --  | 16.9    | 1.23  | --  |           | 1               |
| 1,1-Dichloroethene                       | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Tertiary butyl Alcohol                   | 1.40    | 0.500 | --  | 4.24    | 1.52  | --  |           | 1               |
| Methylene chloride                       | ND      | 0.500 | --  | ND      | 1.74  | --  |           | 1               |
| 3-Chloropropene                          | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide                         | 0.281   | 0.200 | --  | 0.875   | 0.623 | --  |           | 1               |
| Freon-113                                | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                 | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 1,1-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                  | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| 2-Butanone                               | 12.0    | 0.500 | --  | 35.4    | 1.47  | --  |           | 1               |
| cis-1,2-Dichloroethene                   | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815733**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815733-01

Date Collected: 05/02/18 12:00

Client ID: SV01\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Ethyl Acetate                            | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform                               | ND      | 0.200 | --  | ND      | 0.977 | --  |           | 1               |
| Tetrahydrofuran                          | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| 1,2-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane                                 | 2.61    | 0.200 | --  | 9.20    | 0.705 | --  |           | 1               |
| 1,1,1-Trichloroethane                    | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Benzene                                  | 2.68    | 0.200 | --  | 8.56    | 0.639 | --  |           | 1               |
| Carbon tetrachloride                     | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane                              | 0.570   | 0.200 | --  | 1.96    | 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                   | 1.82    | 0.200 | --  | 8.50    | 0.934 | --  |           | 1               |
| Heptane                                  | 1.02    | 0.200 | --  | 4.18    | 0.820 | --  |           | 1               |
| cis-1,3-Dichloropropene                  | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 4-Methyl-2-pentanone                     | 1.59    | 0.500 | --  | 6.52    | 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                                  | 7.41    | 0.200 | --  | 27.9    | 0.754 | --  |           | 1               |
| 2-Hexanone                               | 4.92    | 0.200 | --  | 20.2    | 0.820 | --  |           | 1               |
| Dibromochloromethane                     | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane                        | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Tetrachloroethene                        | 1.24    | 0.200 | --  | 8.41    | 1.36  | --  |           | 1               |
| Chlorobenzene                            | ND      | 0.200 | --  | ND      | 0.921 | --  |           | 1               |
| Ethylbenzene                             | 1.54    | 0.200 | --  | 6.69    | 0.869 | --  |           | 1               |



**Project Name:** 551 GREENWICH STREET**Lab Number:** L1815733**Project Number:** 190043701**Report Date:** 05/09/18**SAMPLE RESULTS**

Lab ID: L1815733-01

Date Collected: 05/02/18 12:00

Client ID: SV01\_050218

Date Received: 05/02/18

Sample Location: 551 GREENWICH ST, MANHATTAN NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| p/m-Xylene                               | 6.81    | 0.400 | --  | 29.6    | 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                                 | 2.60    | 0.200 | --  | 11.3    | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                           | 1.13    | 0.200 | --  | 5.56    | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                   | 1.56    | 0.200 | --  | 7.67    | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                   | 4.56    | 0.200 | --  | 22.4    | 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 | 86         |           | 60-140              |
| Bromochloromethane  | 88         |           | 60-140              |
| chlorobenzene-d5    | 95         |           | 60-140              |



Project Name: 551 GREENWICH STREET

Lab Number: L1815733

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/07/18 11:41

| Parameter                                                                     | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                               | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1113310-4 |         |       |     |         |       |     |           |                 |
| 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: 551 GREENWICH STREET

Lab Number: L1815733

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/07/18 11:41

| Parameter                                                                     | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                               | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1113310-4 |         |       |     |         |       |     |           |                 |
| 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: 551 GREENWICH STREET

Lab Number: L1815733

Project Number: 190043701

Report Date: 05/09/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/07/18 11:41

| Parameter                                                                     | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                               | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1113310-4 |         |       |     |         |       |     |           |                 |
| Ethylbenzene                                                                  | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| p/m-Xylene                                                                    | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |
| Bromoform                                                                     | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                                                       | ND      | 0.200 | --  | ND      | 0.852 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                                                     | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene                                                                      | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                                                                | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                                        | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                                        | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Benzyl chloride                                                               | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                                                           | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene                                                           | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2-Dichlorobenzene                                                           | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                                        | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene                                                           | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |

| Results                          | Qualifier | Units | RDL | Dilution Factor |
|----------------------------------|-----------|-------|-----|-----------------|
| Tentatively Identified Compounds |           |       |     |                 |

No Tentatively Identified Compounds



# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815733

**Report Date:** 05/09/18

| Parameter                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1113310-3 |                  |      |                   |      |                     |     |      |               |
| Chlorodifluoromethane                                                                | 80               |      | -                 |      | 70-130              | -   |      |               |
| Propylene                                                                            | 88               |      | -                 |      | 70-130              | -   |      |               |
| Dichlorodifluoromethane                                                              | 78               |      | -                 |      | 70-130              | -   |      |               |
| Chloromethane                                                                        | 90               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane                                               | 105              |      | -                 |      | 70-130              | -   |      |               |
| Methanol                                                                             | 80               |      | -                 |      | 70-130              | -   |      |               |
| Vinyl chloride                                                                       | 92               |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Butadiene                                                                        | 102              |      | -                 |      | 70-130              | -   |      |               |
| Butane                                                                               | 79               |      | -                 |      | 70-130              | -   |      |               |
| Bromomethane                                                                         | 102              |      | -                 |      | 70-130              | -   |      |               |
| Chloroethane                                                                         | 92               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl Alcohol                                                                        | 88               |      | -                 |      | 70-130              | -   |      |               |
| Dichlorofluoromethane                                                                | 94               |      | -                 |      | 70-130              | -   |      |               |
| Vinyl bromide                                                                        | 104              |      | -                 |      | 70-130              | -   |      |               |
| Acrolein                                                                             | 86               |      | -                 |      | 70-130              | -   |      |               |
| Acetone                                                                              | 116              |      | -                 |      | 70-130              | -   |      |               |
| Acetonitrile                                                                         | 83               |      | -                 |      | 70-130              | -   |      |               |
| Trichlorofluoromethane                                                               | 114              |      | -                 |      | 70-130              | -   |      |               |
| iso-Propyl Alcohol                                                                   | 87               |      | -                 |      | 70-130              | -   |      |               |
| Acrylonitrile                                                                        | 90               |      | -                 |      | 70-130              | -   |      |               |
| Pentane                                                                              | 87               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl ether                                                                          | 87               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloroethene                                                                   | 103              |      | -                 |      | 70-130              | -   |      |               |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815733

**Report Date:** 05/09/18

| Parameter                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1113310-3 |                  |      |                   |      |                     |     |      |               |
| tert-Butyl Alcohol                                                                   | 94               |      | -                 |      | 70-130              | -   |      |               |
| Methylene chloride                                                                   | 103              |      | -                 |      | 70-130              | -   |      |               |
| 3-Chloropropene                                                                      | 100              |      | -                 |      | 70-130              | -   |      |               |
| Carbon disulfide                                                                     | 102              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                | 108              |      | -                 |      | 70-130              | -   |      |               |
| trans-1,2-Dichloroethene                                                             | 99               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloroethane                                                                   | 96               |      | -                 |      | 70-130              | -   |      |               |
| Methyl tert butyl ether                                                              | 101              |      | -                 |      | 70-130              | -   |      |               |
| Vinyl acetate                                                                        | 105              |      | -                 |      | 70-130              | -   |      |               |
| 2-Butanone                                                                           | 92               |      | -                 |      | 70-130              | -   |      |               |
| cis-1,2-Dichloroethene                                                               | 94               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl Acetate                                                                        | 105              |      | -                 |      | 70-130              | -   |      |               |
| Chloroform                                                                           | 104              |      | -                 |      | 70-130              | -   |      |               |
| Tetrahydrofuran                                                                      | 91               |      | -                 |      | 70-130              | -   |      |               |
| 2,2-Dichloropropane                                                                  | 94               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloroethane                                                                   | 101              |      | -                 |      | 70-130              | -   |      |               |
| n-Hexane                                                                             | 92               |      | -                 |      | 70-130              | -   |      |               |
| Isopropyl Ether                                                                      | 88               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl-Tert-Butyl-Ether                                                               | 81               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,1-Trichloroethane                                                                | 100              |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloropropene                                                                  | 85               |      | -                 |      | 70-130              | -   |      |               |
| Benzene                                                                              | 88               |      | -                 |      | 70-130              | -   |      |               |
| Carbon tetrachloride                                                                 | 105              |      | -                 |      | 70-130              | -   |      |               |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815733

**Report Date:** 05/09/18

| Parameter                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1113310-3 |                  |      |                   |      |                     |     |      |               |
| Cyclohexane                                                                          | 86               |      | -                 |      | 70-130              | -   |      |               |
| Tertiary-Amyl Methyl Ether                                                           | 81               |      | -                 |      | 70-130              | -   |      |               |
| Dibromomethane                                                                       | 94               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloropropane                                                                  | 90               |      | -                 |      | 70-130              | -   |      |               |
| Bromodichloromethane                                                                 | 106              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dioxane                                                                          | 99               |      | -                 |      | 70-130              | -   |      |               |
| Trichloroethene                                                                      | 105              |      | -                 |      | 70-130              | -   |      |               |
| 2,2,4-Trimethylpentane                                                               | 92               |      | -                 |      | 70-130              | -   |      |               |
| Methyl Methacrylate                                                                  | 108              |      | -                 |      | 70-130              | -   |      |               |
| Heptane                                                                              | 92               |      | -                 |      | 70-130              | -   |      |               |
| cis-1,3-Dichloropropene                                                              | 95               |      | -                 |      | 70-130              | -   |      |               |
| 4-Methyl-2-pentanone                                                                 | 98               |      | -                 |      | 70-130              | -   |      |               |
| trans-1,3-Dichloropropene                                                            | 82               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2-Trichloroethane                                                                | 102              |      | -                 |      | 70-130              | -   |      |               |
| Toluene                                                                              | 102              |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Dichloropropane                                                                  | 95               |      | -                 |      | 70-130              | -   |      |               |
| 2-Hexanone                                                                           | 109              |      | -                 |      | 70-130              | -   |      |               |
| Dibromochloromethane                                                                 | 128              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dibromoethane                                                                    | 110              |      | -                 |      | 70-130              | -   |      |               |
| Butyl Acetate                                                                        | 86               |      | -                 |      | 70-130              | -   |      |               |
| Octane                                                                               | 93               |      | -                 |      | 70-130              | -   |      |               |
| Tetrachloroethene                                                                    | 107              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,1,2-Tetrachloroethane                                                            | 106              |      | -                 |      | 70-130              | -   |      |               |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815733

**Report Date:** 05/09/18

| Parameter                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1113310-3 |                  |      |                   |      |                     |     |      |               |
| Chlorobenzene                                                                        | 106              |      | -                 |      | 70-130              | -   |      |               |
| Ethylbenzene                                                                         | 100              |      | -                 |      | 70-130              | -   |      |               |
| p/m-Xylene                                                                           | 100              |      | -                 |      | 70-130              | -   |      |               |
| Bromoform                                                                            | 133              | Q    | -                 |      | 70-130              | -   |      |               |
| Styrene                                                                              | 104              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2,2-Tetrachloroethane                                                            | 112              |      | -                 |      | 70-130              | -   |      |               |
| o-Xylene                                                                             | 107              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,3-Trichloropropane                                                               | 98               |      | -                 |      | 70-130              | -   |      |               |
| Nonane (C9)                                                                          | 92               |      | -                 |      | 70-130              | -   |      |               |
| Isopropylbenzene                                                                     | 104              |      | -                 |      | 70-130              | -   |      |               |
| Bromobenzene                                                                         | 94               |      | -                 |      | 70-130              | -   |      |               |
| o-Chlorotoluene                                                                      | 104              |      | -                 |      | 70-130              | -   |      |               |
| n-Propylbenzene                                                                      | 104              |      | -                 |      | 70-130              | -   |      |               |
| p-Chlorotoluene                                                                      | 100              |      | -                 |      | 70-130              | -   |      |               |
| 4-Ethyltoluene                                                                       | 117              |      | -                 |      | 70-130              | -   |      |               |
| 1,3,5-Trimethylbenzene                                                               | 104              |      | -                 |      | 70-130              | -   |      |               |
| tert-Butylbenzene                                                                    | 110              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,4-Trimethylbenzene                                                               | 117              |      | -                 |      | 70-130              | -   |      |               |
| Decane (C10)                                                                         | 94               |      | -                 |      | 70-130              | -   |      |               |
| Benzyl chloride                                                                      | 122              |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Dichlorobenzene                                                                  | 120              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dichlorobenzene                                                                  | 124              |      | -                 |      | 70-130              | -   |      |               |
| sec-Butylbenzene                                                                     | 108              |      | -                 |      | 70-130              | -   |      |               |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

**Lab Number:** L1815733

**Report Date:** 05/09/18

| Parameter                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1113310-3 |                  |      |                   |      |                     |     |      |               |
| p-Isopropyltoluene                                                                   | 103              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichlorobenzene                                                                  | 122              |      | -                 |      | 70-130              | -   |      |               |
| n-Butylbenzene                                                                       | 109              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dibromo-3-chloropropane                                                          | 109              |      | -                 |      | 70-130              | -   |      |               |
| Undecane                                                                             | 100              |      | -                 |      | 70-130              | -   |      |               |
| Dodecane (C12)                                                                       | 121              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,4-Trichlorobenzene                                                               | 154              | Q    | -                 |      | 70-130              | -   |      |               |
| Naphthalene                                                                          | 121              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,3-Trichlorobenzene                                                               | 144              | Q    | -                 |      | 70-130              | -   |      |               |
| Hexachlorobutadiene                                                                  | 154              | Q    | -                 |      | 70-130              | -   |      |               |

Project Name: 551 GREENWICH STREET

Project Number: 190043701

# **Lab Duplicate Analysis** **Batch Quality Control**

Lab Number: L1815733

Report Date: 05/09/18

| Parameter                                                                                                                               | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1113310-5 QC Sample: L1815813-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Propylene                                                                                                                               | ND            | ND               | ppbV  | NC  |      | 25         |
| Dichlorodifluoromethane                                                                                                                 | 0.654         | 0.508            | ppbV  | 25  |      | 25         |
| Chloromethane                                                                                                                           | 0.386         | 0.292            | ppbV  | 28  | Q    | 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                                                                                                                           | 28.7          | 26.3             | ppbV  | 9   |      | 25         |
| Vinyl bromide                                                                                                                           | ND            | ND               | ppbV  | NC  |      | 25         |
| Acetone                                                                                                                                 | 29.0          | 29.2             | ppbV  | 1   |      | 25         |
| Trichlorofluoromethane                                                                                                                  | 0.595         | 0.639            | ppbV  | 7   |      | 25         |
| iso-Propyl Alcohol                                                                                                                      | 4.42          | 4.30             | ppbV  | 3   |      | 25         |
| 1,1-Dichloroethene                                                                                                                      | ND            | ND               | ppbV  | NC  |      | 25         |
| Methylene chloride                                                                                                                      | ND            | ND               | ppbV  | NC  |      | 25         |
| 3-Chloropropene                                                                                                                         | ND            | ND               | ppbV  | NC  |      | 25         |
| Carbon disulfide                                                                                                                        | 0.255         | 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         |

Project Name: 551 GREENWICH STREET

Project Number: 190043701

# Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1815733

Report Date: 05/09/18

| Parameter                                                                                                                               | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1113310-5 QC Sample: L1815813-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Vinyl acetate                                                                                                                           | ND            | ND               | ppbV  | NC  |      | 25         |
| 2-Butanone                                                                                                                              | 0.820         | 0.824            | ppbV  | 0   |      | 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         |
| 1,4-Dioxane                                                                                                                             | ND            | ND               | ppbV  | NC  |      | 25         |
| Trichloroethene                                                                                                                         | ND            | ND               | ppbV  | NC  |      | 25         |
| 2,2,4-Trimethylpentane                                                                                                                  | ND            | ND               | ppbV  | NC  |      | 25         |
| Heptane                                                                                                                                 | ND            | ND               | ppbV  | NC  |      | 25         |
| 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         |



Project Name: 551 GREENWICH STREET

Project Number: 190043701

# Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1815733

Report Date: 05/09/18

| Parameter                                                                                                                               | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1113310-5 QC Sample: L1815813-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| 1,1,2-Trichloroethane                                                                                                                   | ND            | ND               | ppbV  | NC  |      | 25         |
| Toluene                                                                                                                                 | 0.770         | 0.780            | ppbV  | 1   |      | 25         |
| 2-Hexanone                                                                                                                              | ND            | ND               | ppbV  | NC  |      | 25         |
| Dibromochloromethane                                                                                                                    | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,2-Dibromoethane                                                                                                                       | ND            | ND               | ppbV  | NC  |      | 25         |
| Tetrachloroethene                                                                                                                       | 138E          | 139E             | ppbV  | 1   |      | 25         |
| Chlorobenzene                                                                                                                           | ND            | ND               | ppbV  | NC  |      | 25         |
| Ethylbenzene                                                                                                                            | 0.959         | 0.926            | ppbV  | 4   |      | 25         |
| p/m-Xylene                                                                                                                              | 3.57          | 3.73             | ppbV  | 4   |      | 25         |
| Bromoform                                                                                                                               | ND            | ND               | ppbV  | NC  |      | 25         |
| Styrene                                                                                                                                 | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1,2,2-Tetrachloroethane                                                                                                               | ND            | ND               | ppbV  | NC  |      | 25         |
| o-Xylene                                                                                                                                | 1.39          | 1.45             | ppbV  | 4   |      | 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         |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

## Lab Duplicate Analysis

Batch Quality Control

**Lab Number:** L1815733  
**Report Date:** 05/09/18

| Parameter                                                                                                                               | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1113310-5 QC Sample: L1815813-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Naphthalene                                                                                                                             | 0.699         | 0.685            | ppbV  | 2   |      | 25         |
| Hexachlorobutadiene                                                                                                                     | ND            | ND               | ppbV  | NC  |      | 25         |
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1113310-5 QC Sample: L1815813-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Tetrachloroethene                                                                                                                       | 139           | 136              | ppbV  | 2   |      | 25         |

**Project Name:** 551 GREENWICH STREET

**Project Number:** 190043701

Serial\_No:05091810:27  
**Lab Number:** L1815733

**Report Date:** 05/09/18

**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 Controller Leak Chk | Flow Out mL/min | Flow In mL/min | % RPD |
|-------------|-------------|----------|------------|---------------|--------------|-------------------|----------------|---------------------------|------------------------------|--------------------------|-----------------|----------------|-------|
| L1815733-01 | SV01_050218 | 0244     | Flow 4     | 05/02/18      | 264798       |                   | -              | -                         | -                            | Pass                     | 18.0            | 17.9           | 1     |
| L1815733-01 | SV01_050218 | 353      | 2.7L Can   | 05/02/18      | 264798       | L1815194-02       | Pass           | -29.8                     | -3.5                         | -                        | -               | -              | -     |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1815194  
**Report Date:** 05/09/18

### Air Canister Certification Results

**Lab ID:** L1815194-02  
**Client ID:** CAN 375 SHELF 10  
**Sample Location:**

**Date Collected:** 04/27/18 16:00  
**Date Received:** 04/30/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 04/30/18 16:41  
**Analyst:** MB

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1815194  
**Report Date:** 05/09/18

### Air Canister Certification Results

**Lab ID:** L1815194-02  
**Client ID:** CAN 375 SHELF 10  
**Sample Location:**

**Date Collected:** 04/27/18 16:00  
**Date Received:** 04/30/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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               |
| 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               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1815194  
**Report Date:** 05/09/18

### Air Canister Certification Results

**Lab ID:** L1815194-02  
**Client ID:** CAN 375 SHELF 10  
**Sample Location:**

**Date Collected:** 04/27/18 16:00  
**Date Received:** 04/30/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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               |
| o-Xylene                                 | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 1,2,3-Trichloropropane                   | ND      | 0.200 | --  | ND      | 1.21  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1815194  
**Report Date:** 05/09/18

### Air Canister Certification Results

**Lab ID:** L1815194-02  
**Client ID:** CAN 375 SHELF 10  
**Sample Location:**

**Date Collected:** 04/27/18 16:00  
**Date Received:** 04/30/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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:** L1815194**Project Number:** CANISTER QC BAT**Report Date:** 05/09/18**Air Canister Certification Results**

Lab ID: L1815194-02

Date Collected: 04/27/18 16:00

Client ID: CAN 375 SHELF 10

Date Received: 04/30/18

Sample Location:

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |    |     | ug/m3   |    |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|----|-----|---------|----|-----|-----------|-----------------|
|                                          | Results | RL | MDL | Results | RL | MDL |           |                 |
| 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 | 91         |           | 60-140              |
| Bromochloromethane  | 90         |           | 60-140              |
| chlorobenzene-d5    | 89         |           | 60-140              |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1815194  
**Report Date:** 05/09/18

### Air Canister Certification Results

**Lab ID:** L1815194-02  
**Client ID:** CAN 375 SHELF 10  
**Sample Location:**

**Date Collected:** 04/27/18 16:00  
**Date Received:** 04/30/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15-SIM  
**Analytical Date:** 04/30/18 16:41  
**Analyst:** MB

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1815194  
**Report Date:** 05/09/18

### Air Canister Certification Results

**Lab ID:** L1815194-02  
**Client ID:** CAN 375 SHELF 10  
**Sample Location:**

**Date Collected:** 04/27/18 16:00  
**Date Received:** 04/30/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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:** L1815194  
**Report Date:** 05/09/18

### Air Canister Certification Results

**Lab ID:** L1815194-02  
**Client ID:** CAN 375 SHELF 10  
**Sample Location:**

**Date Collected:** 04/27/18 16:00  
**Date Received:** 04/30/18  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| 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  | 90         |           | 60-140              |
| chlorobenzene-d5    | 90         |           | 60-140              |



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

Serial\_No:05091810:27  
**Lab Number:** L1815733  
**Report Date:** 05/09/18

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

| <b>Cooler</b> | <b>Custody Seal</b> |
|---------------|---------------------|
| N/A           | Absent              |

**Container Information**

| <b>Container ID</b> | <b>Container Type</b> |
|---------------------|-----------------------|
|---------------------|-----------------------|

|              |                      |
|--------------|----------------------|
| L1815733-01A | Canister - 2.7 Liter |
|--------------|----------------------|

| <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b> |
|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--------------------|
| N/A           | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30)        |

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815733  
**Report Date:** 05/09/18

## 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).                        |
| 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.                                                                                                                                                                                                                                                                                                                                                                                               |
| 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.

### 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

**Report Format:** Data Usability Report



**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815733  
**Report Date:** 05/09/18

#### Data Qualifiers

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.

**Project Name:** 551 GREENWICH STREET  
**Project Number:** 190043701

**Lab Number:** L1815733  
**Report Date:** 05/09/18

## 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, NO<sub>2</sub>, NO<sub>3</sub>.

### 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.



